Kpl. 34 Bll.

1250 =

Regiomontanus (= Müller de Königsberg) Joh.
Calendarium
[Nürnberg] Joh. Regiomontanus (= Müller de Königsberg) [1474]

Ham-Cop. 13775
Proctor 2210
Brit. Mus. Cat., II, 456.
Schreiber 4376

GIFT
OF



John Carter Brown
Library
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JOHN NICHOLAS BROWN
—1928—

Geography

Müller, Johannes, Regimontanus (1436-1476)
Calendarium. Nuremberg, 1474.

Johann Müller's *Calendarium* contains declination tables and illustrations (with moveable parts) of several navigational instruments. Müller, also known as "Regiomontanus" (the Latin name of his birthplace of Königsberg), became a student of the Austrian mathematician, Georg von Peuerbach (1423-1461), and was a key figure in the establishment of algebra and trigonometry in Germany, creating and improving sine tables to facilitate astronomical observations. Together, Peuerbach and Müller were able to improve on the "alphonsine tables," Arabic astronomical observations compiled in 1252 by a team of Jewish cosmographers under the patronage of King Alphonso X of Castile. In addition, Müller's work included an early description of the cross-staff and a study of eclipses. Based on those calculations, Columbus had tried to find his longitude on both his 1497 and 1504 voyages by observing the time between eclipses.

	.1475. CON			OPPO			.1494. CON			OPPO			.1513. CON			OPPO		
1	8	12	13							4	11	48				4	12	11
2				12	8	29	8	4	30	12	22	5	8	3	38	12	19	19
3	16	21	52				16	5	28				16	16	32			
4				1	18	41				1	2	51				1	11	59
5	5	14	46				5	0	23	9	21	42	5	8	17			
6				9	9	56							13	18	27	9	5	18
7	13	6	17	17	21	53	13	4	2	17	21	26				17	14	31
8	2	13	19				2	13	58				2	9	39			
9	10	20	52	6	4	55	10	21	25	6	5	53	10	21	3	6	3	58
10				14	20	41				14	13	27				14	12	51
11	18	16	48				18	6	51				18	4	37	3	20	28
12				3	13	40	7	20	27	3	1	10	7	13	6			
13	7	11	1							11	16	36				11	6	32
14	15	18	34	11	8	32							15	13	29			
15				19	12	56	15	5	55							19	10	50
16	4	6	18	8	23	2	4	23	0	19	2	58	4	8	23			
17	12	15	2							8	18	17				8	5	43
18	1	22	25	16	5	58	12	12	37	16	6	38	12	2	36			
19				5	15	35	1	22	3	5	13	37	1	22	38	16	6	0
20	9	9	47				9	5	32							5	14	35
21				13	19	7				13	4	53	9	6	12	13	22	1
22	17	16	35				17	0	54	2	21	39	17	15	18	2	9	29
23				2	14	3	6	18	56				6	4	34			
24	6	11	3							10	16	26				10	0	40
25				10	7	21							14	13	50			
26	14	8	1				14	2	48	18	20	18				18	10	47
27	3	15	47	18	0	8	3	14	52				3	7	6			
28	11	22	44	7	7	7	11	23	41	7	7	36	11	20	57	7	2	30
29	19	13	17	15	18	22				15	14	34				15	15	20
30				4	9	8	19	6	56				19	6	47	4	22	16
31	8	5	46				8	18	2	4	0	3	8	14	7			

KL IANVARIVS.

				SOLIS CAPRI		LVNAE S	G	S	G
1	A		Circūciſio domī	20	3	0	13	0	13
2	b	4 nõ	Octaua. s. Stephani	21	4	0	26	0	26
3	c	3 nõ	Octaua. s. Ioannis	22	6	1	10	1	9
4	d	2 nõ	Octaua. s. Innocentum	23	7	1	23	1	22
5	e	Non	Vigilia	24	8	2	6	2	5
6	f	8 idꝰ	Epiphanię domini	25	9	2	19	2	18
7	g	7 idꝰ	Clauis. lxx.	26	11	3	2	3	1
8	A	6 idꝰ	Erhardi epiſcopi	27	12	3	15	3	15
9	b	5 idꝰ	Iuliani & ſociorum eius	28	13	3	29	3	28
10	c	4 idꝰ	Pauli primi eremitę	29	14	4	12	4	11
11	d	3 idꝰ	AQVAR	0	16	4	25	4	24
12	e	2 idꝰ		1	17	5	8	5	7
13	f	Idus	Octaua epiphanię	2	18	5	21	5	20
14	g	19 kal	Febru. Fęlicis in pincis	3	19	6	4	6	3
15	A	18 kal		4	20	6	18	6	16
16	b	17 kal	Marcelli papę	5	21	7	1	6	29
17	c	16 kal	Antonii monachi	6	22	7	14	7	12
18	d	15 kal	Priſcę uirginis	7	23	7	27	7	25
19	e	14 kal		8	24	8	10	8	8
20	f	13 kal	Fabiani & Sebaſtiani martyꝝ	9	25	8	24	8	21
21	g	12 kal	Agnes uirginis	10	26	9	7	9	4
22	A	11 kal	Vincentii martyris	11	27	9	20	9	17
23	b	10 kal		12	28	10	3	10	0
24	c	9 kal	Timothei apoſtoli	13	29	10	16	10	14
25	d	8 kal	Pauli cõuerſio	14	30	10	29	10	27
26	e	7 kal		15	31	11	13	11	10
27	f	6 kal		16	31	11	26	11	23
28	g	5 kal	Clauis. xl.	17	32	0	9	0	6
29	A	4 kal		18	33	0	22	0	19
30	b	3 kal		19	33	1	5	1	2
31	c	2 kal		20	34	1	18	1	15

Augustus

	1475						1494						1513					
	CON			OPPO			CON			OPPO			CON			OPPO		
1				12	2	59				12	13	0				12	6	32
2	16	15	39				16	0	28	1	21	55	16	8	52			
3				1	11	16	5	18	58							1	5	27
4	5	5	56	9	23	40				9	15	24	5	2	46			
5	13	16	20				13	16	31				13	10	47	9	0	17
6	2	23	34	17	7	50				17	8	44	2	23	16	17	5	35
7				6	15	49	2	0	25	6	15	52				6	16	6
8	10	8	46				10	7	20				10	8	15	14	23	7
9				14	13	52	18	21	23	14	2	35	18	15	24			
10	18	10	58							3	17	5				3	8	23
11				3	8	25	7	13	37				7	2	15	11	21	3
12	7	5	54							11	10	44						
13	15	8	23	11	3	3	15	23	36				15	7	56			
14	4	17	45	19	1	23				19	19	18				19	5	39
15				8	9	26	4	14	6	8	7	58	4	2	47	8	23	17
16	12	0	55	16	17	28	12	0	54	16	16	22	12	19	0			
17	1	11	7				1	8	2							16	17	12
18				5	5	41	9	17	2	5	0	11	1	9	0	5	0	27
19	9	1	13							13	21	35	9	15	52	13	10	42
20				13	13	45	17	18	37				17	5	20			
21	17	10	58							2	16	2	6	21	19	2	0	53
22				2	7	41	6	13	31							10	18	21
23	6	3	33	10	22	33				10	10	43						
24	14	18	22				14	16	33				14	7	22			
25				18	9	53				18	9	40	3	22	9	18	3	13
26	3	1	19	7	16	56	3	2	3	7	17	53				7	16	8
27	11	8	59	15	9	18	11	9	21				11	9	14			
28	19	5	30				19	19	10	15	1	39	19	16	25	15	0	48
										4	13	36						

KL .FEBRVARIVS.

				SOLIS AQVAR		LVNAE S	G	S	G
1	d		Brigidę uirginis	21	34	2	2	1	28
2	e	4 nõ	Purificatio marię	22	35	2	15	2	11
3	f	3 nõ	Blaſii epiſcopi	23	36	2	28	2	24
4	g	2 nõ		24	36	3	11	3	7
5	A	Non	Agathę uirginis	25	37	3	24	3	20
6	b	8 idꝰ	Dorothę uirginis	26	37	4	8	4	3
7	c	7 idꝰ		27	38	4	21	4	16
8	d	6 idꝰ		28	38	5	4	5	0
9	e	5 idꝰ	Apollonię uirginis	29	38	5	17	5	13
10	f	4 idꝰ	Scholaſticę uirginis PISCES	0	39	6	0	5	26
11	g	3 idꝰ		1	39	6	13	6	9
12	A	2 idꝰ		2	39	6	27	6	22
13	b	Idus		3	39	7	10	7	5
14	c	16 kal	Mar. Valentini martyris	4	39	7	23	7	18
15	d	15 kal		5	40	8	6	8	1
16	e	14 kal	Iulianę uirginis	6	40	8	19	8	14
17	f	13 kal		7	40	9	2	8	27
18	g	12 kal		8	40	9	16	9	10
19	A	11 kal		9	40	9	29	9	23
20	b	10 kal		10	40	10	12	10	6
21	c	9 kal		11	40	10	25	10	19
22	d	8 kal	Cathedra ſancti petri	12	40	11	8	11	2
23	e	7 kal	Vigilia	13	40	11	22	11	16
24	f	6 kal	Matthię apoſtoli	14	39	0	5	11	29
25	g	5 kal		15	39	0	18	0	12
26	A	4 kal		16	39	1	1	0	25
27	b	3 kal		17	38	1	14	1	8
28	c	2 kal		18	38	1	27	1	21
				19	37				

	.1475.						.1494.						.1513.					
	CON			OPPO			CON			OPPO			CON			OPPO		
1	8	23	46	4	2	25	8	8	58							4	8	30
2				12	21	15				12	5	12	8	1	11	12	18	44
3							16	18	31				16	2	7	1	23	9
4	16	6	48							1	15	19	5	20	58			
5	5	18	17	1	1	1	5	11	18							9	18	14
6				9	10	48				9	6	25						
7	13	1	45	17	17	41	13	2	41	17	18	15	13	0	33	17	17	50
8	2	10	13				2	9	40				2	10	17			
9	10	21	46	6	3	31	10	17	9	6	1	13	10	17	41	6	2	10
10				14	7	24				14	16	58				14	9	42
11	18	4	54				18	13	2				18	3	7	3	21	21
12	7	23	7	3	2	12				3	9	39	7	17	22			
13				11	19	16	7	7	7							11	12	40
14	15	19	27				15	14	33	11	4	36						
15				19	11	26				19	8	53	15	1	55	19	22	46
16	4	3	2	8	18	26	4	2	18	8	18	55	4	18	54			
17	12	9	56				12	10	54				12	8	26	8	14	9
18				16	5	54	1	18	13	16	1	47	1	17	51	16	2	27
19	1	0	53	5	20	45				5	11	25				5	9	22
20	9	17	27				9	5	28				9	1	15			
21										13	14	38	17	20	25	13	0	29
22				13	6	42	17	12	6							2	17	5
23	17	3	6	2	22	35				2	9	26	6	14	18			
24	6	17	5	10	10	41	6	6	25							10	11	46
25	14	3	8	18	18	37				10	2	42	14	22	8			
26	3	10	22				14	3	27	18	19	33				18	16	37
27	11	19	37	7	2	38	3	11	9	7	19	25	3	10	10			
28							11	18	2	15	13	32	11	18	57	7	2	54
29	19	22	6	15	1	0	19	8	20							15	9	49
30				4	19	29				4	4	5	19	2	6	4	19	7
31	8	16	54				8	0	36	12	21	45	8	13	1			

.MARTIVS.

				SOLIS PISCES		LVNAE S	G	S	G
1	d		Conūſio Ma^c magdalene	20	37	2	11	2	4
2	e	6 nō	Simplicis papę	21	36	2	24	2	17
3	f	5 nō		22	36	3	7	3	0
4	g	4 nō	Adriani martyris	23	35	3	20	3	13
5	A	3 nō		24	35	4	3	3	26
6	b	2 nō	Victoris martyris	25	34	4	16	4	9
7	c	Non	Perpetuę & Fęlicitatis	26	33	5	0	4	22
8	d	8 idꝰ		27	32	5	13	5	5
9	e	7 idꝰ		28	31	5	26	5	18
10	f	6 idꝰ		29	30	6	9	6	1
11	g	5 idꝰ	Clauis paſcę ARIES	0	29	6	22	6	15
12	A	4 idꝰ	Gregorii papę	1	28	7	6	6	28
13	b	3 idꝰ		2	27	7	19	7	11
14	c	2 idꝰ		3	26	8	2	7	24
15	d	Idus		4	25	8	15	8	7
16	e	17 kal	Aprilis	5	24	8	28	8	20
17	f	16 kal	Gerdrudis uirginis	6	23	9	11	9	3
18	g	15 kal		7	22	9	25	9	16
19	A	14 kal		8	21	10	8	9	29
20	b	13 kal		9	20	10	21	10	12
21	c	12 kal	Benedicti abbatis	10	18	11	4	10	25
22	d	11 kal		11	17	11	17	11	8
23	e	10 kal		12	16	0	0	11	21
24	f	9 kal		13	15	0	14	0	4
25	g	8 kal	Annūciatio Marię	14	13	0	27	0	17
26	A	7 kal		15	12	1	10	1	1
27	b	6 kal	Ruperti epiſcopi	16	10	1	23	1	14
28	c	5 kal		17	9	2	6	1	27
29	d	4 kal		18	8	2	20	2	10
30	e	3 kal		19	7	3	3	2	23
31	f	2 kal		20	6	3	16	3	6

Rd.

	·1475·						·1494·						·1513·					
	CON			OPPO			CON			OPPO			CON			OPPO		
1				12	13	58							16	19	8	12	7	54
2	16	18	55				16	10	23							1	16	32
3				1	11	50				1	6	0	5	13	35			
4	5	4	4	9	19	45	5	0	41	9	18	25				9	9	58
5	13	11	1				13	11	12				13	11	16			
6	2	21	33	17	3	51	2	18	19	17	2	35	2	19	10	17	3	28
7				6	16	8				6	10	28				6	10	35
8	10	11	41				10	3	20				10	2	3	14	1	1
9	18	21	24	14	0	14				14	8	2	18	15	40			
10				3	17	58	18	5	4							3	11	16
11	7	13	46				7	23	52	3	2	27	7	7	40			
12				11	8	38				11	20	59				11	4	41
13	15	4	15	19	19	43	15	2	33	19	19	34	15	17	31			
14	4	11	6				4	11	53							19	13	16
15	12	18	45	8	2	42	12	19	6	8	3	38	4	8	7	8	1	59
16				16	19	15				16	11	25	12	19	0	16	10	29
17	1	15	26				[illegible]	4	57	5	23	22	1	2	8	5	18	8
18				5	12	40	19	18	46				9	11	51			
19	9	9	37													13	14	59
20				13	21	20				13	7	3	17	11	53			
21	17	16	25				17	4	13							2	9	13
22	6	3	44	2	10	31	6	20	51	2	0	56	6	6	38			
23	14	11	5	10	20	11				10	15	53				10	3	49
24	3	19	30	18	3	0	14	12	1				14	9	57			
25				7	12	49	3	18	53	18	3	31	3	10	32	18	3	7
26	11	7	1				11	2	21	7	10	26				7	11	22
27				15	16	43	19	22	15	15	2	13	11	2	51	15	18	54
28	19	14	7							4	19	3	19	12	12			
29				4	11	24	8	16	17							4	6	32
30	8	8	2							12	13	42	8	2	43	12	21	48

K .APRILIS.

				SOLIS ARIES		LVNAE S	G	S	G
1	g			21	4	3	29	3	19
2	A	4 nõ		22	3	4	12	4	2
3	b	3 nõ		23	1	4	25	4	15
4	c	2 nõ	Ambroſii archiepiſcopi	23	59	5	9	4	28
5	d	Non		24	58	5	22	5	11
6	e	8 idꝰ		25	56	6	5	5	24
7	f	7 idꝰ		26	54	6	18	6	7
8	g	6 idꝰ	Marię ęgyptiacę	27	52	7	1	6	20
9	A	5 idꝰ		28	50	7	14	7	3
10	b	4 idꝰ		29	48	7	28	7	16
11	c	3 idꝰ	TAVR	0	47	8	11	8	0
12	d	2 idꝰ		1	45	8	24	8	13
13	e	Idus		2	43	9	7	8	26
14	f	18 kal	Maii Tyburtii & Valeriani	3	41	9	20	9	9
15	g	17 kal	Clauis rogationū	4	38	10	4	9	22
16	A	16 kal		5	36	10	17	10	5
17	b	15 kal		6	34	11	0	10	18
18	c	14 kal		7	32	11	13	11	1
19	d	13 kal		8	30	11	26	11	14
20	e	12 kal		9	28	0	9	11	27
21	f	11 kal		10	25	0	23	0	10
22	g	10 kal		11	23	1	6	0	23
23	A	9 kal	[illegible]	12	21	1	19	1	6
24	b	8 kal	Georgij martiris	13	18	2	2	1	19
25	c	7 kal	Marci euangeliſtę	14	16	2	15	2	2
26	d	6 kal		15	14	2	28	2	16
27	e	5 kal		16	11	3	12	2	29
28	f	4 kal	Vitalis martyris	17	8	3	25	3	12
29	g	3 kal	Clauis pentecoſtes	18	6	4	8	3	25
30	A	2 kal		19	4	4	21	4	8

	·1475· CON			OPPO			·1494· CON			OPPO			·1513· CON			OPPO		
1				12	4	18	16	23	35				16	20	56			
2	16	4	23	1	20	20				1	17	49				1	7	44
3	5	11	53				5	10	12				5	3	48	9	23	1
4	13	20	42	9	3	14	13	18	44	9	3	45	13	19	41			
5				17	14	42				17	10	32				17	11	12
6	2	9	40				2	2	57	6	20	6	2	2	35	6	18	4
7				6	5	32	10	14	8				10	9	54			
8	10	2	9	14	15	23				14	23	18				14	9	8
9	18	11	41				18	20	42				18	5	2			
10				3	7	5				3	18	0	7	22	51	3	1	40
11	7	1	34	11	19	6	7	14	55							11	20	15
12	15	11	33				15	11	50	11	11	9						
13	4	18	42	19	2	57	4	19	29	19	3	53	15	6	33			
14				8	10	57				8	10	52	4	18	30	19	0	58
15	12	3	55				12	2	18	16	21	44	12	3	14	8	11	11
16				16	9	13	1	16	32				1	10	20	16	18	2
17	1	6	17							5	12	15	9	21	11	5	3	20
18				5	3	40	9	8	44									
19	9	0	57							13	22	0				13	5	48
20				13	9	13	17	19	23				17	3	2			
21	17	2	57	2	19	51				2	13	57	6	21	30	2	0	31
22	6	12	2	10	3	43	6	8	41							10	17	53
23	14	18	57	18	11	44	14	19	8	10	2	21	14	19	11			
24	3	5	22	7	23	55				18	10	31				18	11	22
25	11	19	24				3	2	10	7	18	16	3	3	1	7	18	27
26							11	11	5	15	15	44	11	9	49			
27				15	7	53	19	12	42				19	23	20	15	4	26
28	19	4	59							4	9	53				4	18	52
29	8	21	19	4	1	34	8	7	24				8	15	14			
30				12	16	11				12	4	30				12	12	13
31	16	11	54				16	10	6				16	1	2	1	20	45

KL .MAIVS.

				SOLIS TAVR		LVNAE S	G	S	G
1	b		Philippi & Iacobi aploꝝ	20	1	5	4	4	21
2	c	6 nō	Sigiſmudi regis	20	59	5	18	5	4
3	d	5 nō	Inuentio. ſ. crucis	21	56	6	1	5	17
4	e	4 nō	Floriani martiris	22	54	6	14	6	0
5	f	3 nō	Godehardi epi	23	51	6	27	6	13
6	g	2 nō	Ioannis ante portam latinam	24	48	7	10	6	26
7	A	Non		25	46	7	23	7	9
8	b	8 idꝰ	Apparitio. s. Michaelis	26	43	8	7	7	22
9	c	7 idꝰ		27	41	8	20	8	5
10	d	6 idꝰ	Epimachi & ſociorum eius	28	38	9	3	8	19
11	e	5 idꝰ		29	35	9	16	9	2
12	f	4 idꝰ	Pancratii martyris GEMINI	0	32	9	29	9	15
13	g	3 idꝰ	Seruatii epiſcopi	1	30	10	12	9	28
14	A	2 idꝰ		2	27	10	26	10	11
15	b	Idus	Sophię uirginis	3	24	11	9	10	24
16	c	17 kal	Iunii	4	21	11	22	11	7
17	d	16 kal		5	19	0	5	11	20
18	e	15 kal		6	16	0	18	0	3
19	f	14 kal	Potentianę uirginis	7	13	1	2	0	16
20	g	13 kal		8	10	1	15	0	29
21	A	12 kal		9	7	1	28	1	12
22	b	11 kal	Helenę reginę	10	4	2	11	1	25
23	c	10 kal		11	1	2	24	2	8
24	d	9 kal		11	58	3	7	2	21
25	e	8 kal	Vrbani papę	12	55	3	21	3	4
26	f	7 kal		13	53	4	4	3	17
27	g	6 kal		14	50	4	17	4	1
28	A	5 kal		15	47	5	0	4	14
29	b	4 kal		16	44	5	13	4	27
30	c	3 kal		17	41	5	26	5	10
31	d	2 kal	Petronellę uirginis	18	38	6	10	5	23

	·1475·						·1494·						·1513·					
	CON			OPPO			CON			OPPO			CON			OPPO		
1	5	18	42	1	3	21	5	19	26	1	3	9	5	15	35			
2				9	10	6				9	11	11				9	9	30
3	13	7	19				13	2	15	17	18	54	13	2	39	17	17	59
4	2	22	45	17	2	37	2	12	23				2	9	36			
5				6	19	36				6	6	44	10	18	16	6	1	35
6	10	16	51				10	2	5							14	22	13
7	18	23	42	14	4	44				14	14	16	18	19	6			
8				3	17	48	18	11	26							3	16	22
9	7	11	3				7	4	4	3	8	7	7	13	47			
10	15	18	23	11	3	29	15	19	20	11	23	5				11	10	57
11				19	10	17				19	10	50	15	17	9			
12	4	2	44	8	20	2	4	2	10	8	17	22				19	10	21
13	12	14	11				12	9	35				4	2	48	8	18	37
14				16	23	42				16	9	18	12	10	7	16	2	6
15	1	21	8				1	5	18				1	19	24	5	3	36
16				5	18	22	9	23	12	5	2	2	9	8	45			
17	9	15	11													13	20	38
18				13	18	53				13	11	18	17	17	52			
19	17	11	30				17	6	33							2	14	40
20	6	19	1	2	3	28	6	18	14	2	0	51	6	10	45			
21	14	3	43	19	10	23				10	10	50				10	5	59
22	3	16	33	18	21	40	14	1	49	18	17	36	14	2	46	18	18	18
23				7	12	22	3	9	57				3	9	39			
24	11	8	56				11	21	3	7	3	4	11	17	3	7	1	7
25				15	22	12				15	6	6				15	16	0
26	19	18	30				19	3	28				19	11	49			
27				4	13	58	8	21	42	4	0	51				4	8	27
28	8	8	27							12	17	58	8	5	36			
29	16	18	34	12	2	4	16	18	47				16	13	23	12	3	0
30				1	19	59				1	10	51				1	7	51

:IVNIVS.

					SOLIS GEMINI		LVNAE S	G	S	G
1	e	Kl	Nicomedis martyris		19	35	6	23	6	6
2	f	4 nõ	Marcellini & Petri		20	32	7	6	6	19
3	g	3 nõ	Eraſmii epiſcopi		21	29	7	19	7	2
4	A	2 nõ			22	26	8	2	7	15
5	b	Non	Bonifacii papę		23	23	8	16	7	28
6	c	8 idꝰ			24	20	8	29	8	11
7	d	7 idꝰ			25	17	9	12	8	24
8	e	6 idꝰ			26	14	9	25	9	7
9	f	5 idꝰ	Primi & Fęliciani		27	11	10	8	9	20
10	g	4 idꝰ			28	8	10	21	10	3
11	A	3 idꝰ	Barnabę apoſtoli		29	5	11	5	10	17
12	b	2 idꝰ		CANCER	0	2	11	18	11	0
13	c	Idus			0	59	0	1	11	13
14	d	18 kal	Iulii		1	56	0	14	11	26
15	e	17 kal	Viti martyris		2	53	0	27	0	9
16	f	16 kal			3	50	1	10	0	22
17	g	15 kal			4	47	1	24	1	5
18	A	14 kal	Marci & Marcelliani		5	44	2	7	1	18
19	b	13 kal	Geruaſii & Protaſii		6	41	2	20	2	1
20	c	12 kal			7	38	3	3	2	14
21	d	11 kal	Albani martyris		8	35	3	16	2	27
22	e	10 kal	Achatii & ſociorum eius		9	32	4	0	3	10
23	f	9 kal		Vigilia	10	29	4	13	3	23
24	g	8 kal	Ioannis baptiſtę		11	26	4	26	4	6
25	A	7 kal			12	23	5	9	4	19
26	b	6 kal	Ioannis & Pauli		13	21	5	22	5	3
27	c	5 kal	Septem dormientium		14	18	6	5	5	16
28	d	4 kal	Leonis papę	Vigilia	15	15	6	19	5	29
29	e	3 kal	Petri & Pauli aplõꝝ		16	12	7	2	6	12
30	f	2 kal	Commemoratio. s. Pauli		17	9	7	15	6	25

	·1475·						·1494·						·1513·					
	CON			OPPO			CON			OPPO			CON			OPPO		
1	5	1	42	9	17	54	5	2	30	9	17	52	5	1	26	9	18	9
2	13	19	31				13	10	50				13	9	18			
3				17	15	56	2	23	20	17	4	41	2	17	15	17	1	0
4	2	12	58							6	18	58				6	10	12
5				6	10	29	10	15	27				10	4	0			
6	10	7	41	14	16	7										14	12	29
7	18	9	52							14	4	43	18	9	52			
8	7	18	52	3	2	46	18	1	9	3	20	46				3	7	12
9				11	10	41	7	15	28	11	9	13	7	4	13			
10	15	1	13	19	18	38	15	2	6	19	17	31				11	0	37
11	4	12	13				4	9	7				15	2	7	19	18	19
12				8	6	42	12	18	0	8	1	18	4	10	0	8	1	26
13	12	2	12							16	22	30	12	16	50	16	11	39
14				16	14	38	1	19	26				1	6	11			
15	1	11	46							5	16	46	9	22	3	5	1	41
16				5	8	21	9	14	10									
17	9	4	8							13	23	6				13	11	18
18	17	18	55	13	3	8	17	17	4				17	7	50			
19	6	1	46	2	10	24				2	10	9	6	22	32	2	3	39
20	14	14	15	10	17	20	6	2	31	10	18	16				10	16	28
21				18	9	32	14	9	18				14	9	43			
22	3	5	39				3	19	21	18	1	55	3	16	40	18	1	6
23	11	23	46	7	2	28				7	13	43				7	8	40
24							11	9	1	15	21	10	11	1	18			
25				15	11	35	19	18	24							15	5	11
26	19	6	44							4	15	6	19	2	6	4	23	19
27	8	18	11	4	0	53	8	11	5				8	20	45			
28				12	10	50				12	6	10				12	17	58
29	16	1	37	1	17	28	16	2	33	1	18	4	16	0	20	1	17	35
30	5	9	57				5	9	27				5	10	3			
31				9	3	11	13	21	21	9	0	58	13	16	51	9	1	49

K .IVLIVS.

				SOLIS CANCER		LVNAE S	G	S	G
1	g		Octaua. s. Ioannis baptiſtę	18	6	7	28	7	8
2	A	6 nō	Viſitatio Marię	19	3	8	11	7	21
3	b	5 nō		20	0	8	24	8	4
4	c	4 nō	Vdalrici epiſcopi	20	57	9	8	8	17
5	d	3 nō		21	54	9	21	9	0
6	e	2 nō	Octaua ſanctoꝝ Pe. & Pau.	22	51	10	4	9	13
7	f	Non	Wilibaldi epi	23	48	10	17	9	26
8	g	8 id⁹	kilian et ſo. eius	24	45	11	0	10	9
9	A	7 id⁹		25	42	11	14	10	22
10	b	6 id⁹	Septem fratrum	26	40	11	27	11	5
11	c	5 id⁹	Tranſlatio ſcti bndicti	27	37	0	10	11	18
12	d	4 id⁹	Margarete virginis	28	34	0	23	0	2
13	e	3 id⁹	~~Margaretę uirginis~~	29	31	1	6	0	15
14	f	2 id⁹	LEO	0	28	1	19	0	28
15	g	Idus	Diuiſio apoſtolorum	1	26	2	3	1	11
16	A	17 kal	Auguſti	2	23	2	16	1	24
17	b	16 kal	Alexii confeſſoris	3	21	2	29	2	7
18	c	15 kal		4	18	3	12	2	20
19	d	14 kal		5	15	3	25	3	3
20	e	13 kal		6	12	4	8	3	16
21	f	12 kal	Braxedis uirginis	7	9	4	22	3	29
22	g	11 ka	Marie magdalene	8	6	5	5	4	12
23	A	10 kal	Apollinaris martyris	9	4	5	18	4	25
24	b	9 kal	Vigilia	10	2	6	1	5	8
25	c	8 kal	Iacobi apoſtoli Chriſtophori	11	0	6	14	5	21
26	d	7 kal	Annę matris Marię	11	57	6	28	6	4
27	e	6 kal		12	55	7	11	6	18
28	f	5 kal	Pantaleonis martyris	13	52	7	24	7	1
29	g	4 kal		14	50	8	7	7	14
30	A	3 kal		15	47	8	20	7	27
31	b	2 kal		16	45	9	3	8	10

Olas

	·1475·						·1494·						·1513·					
	CON			OPPO			CON			OPPO			CON			OPPO		
1	13	9	37							17	16	26				17	9	20
2				17	6	49	2	12	26				2	2	38	6	20	48
3	2	4	13							6	9	10	10	11	51			
4	10	22	22	6	1	31	10	6	23									
5	18	18	53	4	2	12				4	18	32				4	3	47
6				3	10	56	18	13	51				18	1	6	3	21	56
7	7	2	29	11	17	51	7	1	38	3	8	12	7	18	4			
8	15	11	7				15	9	18	11	18	16				11	13	16
9	4	23	53	19	5	3	4	17	26	19	1	6	15	10	14			
10				8	19	48				8	10	33	4	17	12	19	1	50
11	12	16	23				12	4	32				12	0	29	8	8	41
12										16	13	33	1	19	20	16	23	30
13				16	5	42	1	10	58							5	15	59
14	1	2	2	5	21	34				5	8	18	9	13	9			
15	9	16	7				9	4	17									
16				13	10	16				13	9	46	17	21	4	13	1	36
17	17	2	19	2	17	47	17	2	32	2	18	41				2	15	37
18	6	9	29	10	1	43	6	10	29				6	9	13	10	1	59
19	14	3	19	18	23	45	14	18	38	10	1	43	14	17	10			
20	3	20	50							18	12	27				18	8	54
21				7	18	14	3	7	12				3	1	8	7	18	7
22	11	15	38				3	~~7~~	~~12~~	7	2	14	11	11	57			
23							11	22	23	15	12	42				15	20	27
24	19	17	57	15	0	5	19	9	11				19	17	53			
25				4	10	54	8	23	37	4	4	53				4	15	16
26	8	3	8	12	18	53				12	17	24	8	12	20			
27	16	10	5				16	10	19				16	10	20	12	8	46
28	5	20	29	1	2	51	5	17	24	1	1	44	5	18	18	1	2	34
29				9	15	1				9	9	31				9	9	44
30							13	10	32				13	2	20	17	20	0
31	13	1	35	17	23	2				17	6	53	2	14	35			

.AVGVSTVS.

				SOLIS LEO		LVNAE S	G	S	G
1	c	KL	Petri ad uincula	17	43	9	17	8	23
2	d	4 nō	Stephani papę	18	40	10	0	9	6
3	e	3 nō	Inuentio. S. Stephani	19	38	10	13	9	19
4	f	2 nō	Valentini epiſcopi	20	36	10	26	10	2
5	g	Non	Oſwaldi regis	21	33	11	9	10	15
6	A	8 idꝰ	Syxti papę	22	31	11	22	10	28
7	b	7 idꝰ	Afrę martyris	23	29	0	6	11	11
8	c	6 idꝰ	Cyriaci & ſociorum eius	24	26	0	19	11	24
9	d	5 idꝰ	Vigilia	25	24	1	2	0	7
10	e	4 idꝰ	Laurentii martyris	26	22	1	15	0	20
11	f	3 idꝰ	Tyburtii martyris	27	20	1	28	1	3
12	g	2 idꝰ	Clarę nirginis	28	18	2	12	1	17
13	A	Idus	Hippolyti martyris	29	16	2	25	2	0
14	b	19 kal	Septembris Vigilia VIRGO	0	14	3	8	2	13
15	c	18 kal	Aſſumptio Marię	1	12	3	21	2	26
16	d	17 kal		2	10	4	4	3	9
17	e	16 kal	Octaua. S. Laurentii	3	8	4	17	3	22
18	f	15 kal	Agapiti martyris	4	6	5	1	4	5
19	g	14 kal		5	4	5	14	4	18
20	A	13 kal	Bernardi confeſſoris	6	3	5	27	5	1
21	b	12 kal		7	1	6	10	5	14
22	c	11 kal	Timothei & Symphoniani	7	59	6	23	5	27
23	d	10 kal	Vigilia	8	58	7	6	6	10
24	e	9 kal	Bartholemęi apl̄i	9	56	7	20	6	23
25	f	8 kal		10	55	8	3	7	6
26	g	7 kal		11	53	8	16	7	19
27	A	6 kal	Ruffi martyris	12	51	8	29	8	3
28	b	5 kal	Auguſtini epiſcopi	13	50	9	12	8	16
29	c	4 kal	Decollatio. S. Ioannis baptiſtę	14	48	9	26	8	29
30	d	3 kal	Fęlicis & Adaucti	15	47	10	9	9	12
31	e	2 kal		16	46	10	22	9	25

	.1475.						.1494.						.1513.					
	CON			OPPO			CON			OPPO			CON			OPPO		
1	2	20	14				2	3	43				10	6	31	6	10	7
2				6	16	42	10	22	41	6	1	14						
3	10	12	42	14	11	40										14	19	49
4	18	3	30	3	19	1				14	7	38	18	16	28			
5	7	10	24				18	1	39	3	18	47				3	12	17
6	15	22	49	11	2	0	7	11	7				7	7	11			
7				19	18	19	15	18	1	11	2	48	15	18	27	11	1	11
8	4	14	29				4	4	10	19	10	41				19	9	51
9				8	11	24	12	17	57	8	22	33	4	1	26	8	17	29
10	12	8	43										12	10	11	16	14	9
11				16	20	36				16	6	12	1	11	4			
12	1	15	45				1	3	26							5	8	24
13				5	9	57	9	20	12	5	0	13	9	5	53			
14	9	3	14	13	19	9				13	19	45				13	15	20
15	17	10	41				17	11	38				17	9	28			
16	6	19	18	2	2	37	6	18	36	2	3	12	6	19	13	2	2	46
17	14	19	1	10	12	26				10	10	9				10	11	6
18				18	16	18	14	6	39				14	2	4	18	18	39
19	3	13	47				3	21	55	18	1	51	3	12	0			
20				7	11	7				7	18	43				7	6	15
21	11	8	0				11	16	2									
22				15	11	45	19	23	29	15	4	10	11	1	30	15	13	31
23	19	4	25	4	20	25				4	17	50	19	10	50			
24	8	12	1				8	11	17				8	3	50	4	7	42
25	16	20	52	12	3	26	16	18	58	12	3	54	16	19	55	12	23	7
26				1	14	53				1	10	48				1	11	29
27	5	9	54				5	3	14				9	2	55	9	18	26
28				9	5	48				9	20	26	13	14	30			
29	13	18	53				13	2	31	17	23	44				17	9	33
30				17	15	53	2	21	13				2	5	30			
													10	23	29			

KL

			.SEPTEMBER.	SOLIS VIR		LVNAE S	G	S	G
1	f		AEgidii abbatis	17	44	11	5	10	8
2	g	4 nō		18	43	11	18	10	21
3	A	3 nō		19	42	0	1	11	4
4	b	2 nō		20	40	0	15	11	17
5	c	Non		21	39	0	28	0	0
6	d	8 idꝰ	Magni confeſſoris	22	38	1	11	0	13
7	e	7 idꝰ		23	37	1	24	0	26
8	f	6 idꝰ	Natalis Mariȩ	24	36	2	7	1	9
9	g	5 idꝰ	Gorgonii martyris	25	34	2	20	1	22
10	A	4 idꝰ		26	33	3	4	2	5
11	b	3 idꝰ	Proti & Hyacynthi	27	32	3	17	2	19
12	c	2 idꝰ		28	31	4	0	3	2
13	d	Idus		29	30	4	13	3	15
14	e	18 kal	Octo Exaltatio . ſ. crucis LIBRA	0	29	4	26	3	28
15	f	17 kal		1	28	5	10	4	11
16	g	16 kal		2	28	5	23	4	24
17	A	15 kal		3	27	6	6	5	7
18	b	14 kal		4	26	6	19	5	20
19	c	13 kal		5	25	7	2	6	3
20	d	12 kal	Vigilia	6	25	7	15	6	16
21	e	11 kal	Matthȩi apli̅	7	24	7	29	6	29
22	f	10 kal	Mauricii & ſociorum eius	8	24	8	12	7	12
23	g	9 kal		9	23	8	25	7	25
24	A	8 kal		10	23	9	8	8	8
25	b	7 kal		11	22	9	21	8	21
26	c	6 kal		12	22	10	4	9	4
27	d	5 kal	Coſmȩ & Damiani	13	21	10	18	9	18
28	e	4 kal		14	21	11	1	10	1
29	f	3 kal	Michaelis archangeli	15	20	11	14	10	14
30	g	2 kal	Hieronymi confeſſoris	16	20	11	27	10	27

Cole

	1475						1494						1513					
	CON			OPPO			CON			OPPO			CON			OPPO		
1	2	12	13	6	7	43				6	18	36				6	2	13
2	10	2	17	14	20	57	10	15	36									
3	18	12	23							14	19	55				14	11	55
4	7	19	37	3	3	51	18	12	40				18	7	22			
5				11	11	56	7	20	25	3	4	49	7	19	27	3	1	53
6	15	13	49				15	4	57	11	11	52				11	12	12
7				19	10	24	4	17	45	19	22	52	15	3	21	19	19	10
8	4	7	34							8	13	33	4	11	29			
9				8	5	2	12	10	8				12	22	30	8	4	33
10	12	2	28							16	23	34				16	7	20
11				16	10	45	1	20	2				1	4	28			
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13	9	13	41				9	10	22									
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15				2	14	38				2	12	20				2	13	13
16	6	7	23				6	4	5	10	20	18	6	4	56	10	20	25
17	14	12	56	10	2	4	14	21	44				14	13	14			
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22	19	14	29				19	12	52							15	7	23
23	8	21	25	4	5	59	8	22	14	4	5	53	15	3	58	4	23	43
24				12	13	3				12	14	2	8	18	35	12	12	29
25	16	10	30				16	5	13	1	21	59	16	5	31	1	16	57
26				1	5	57	5	15	38				5	12	38			
27	5	2	17	9	23	18				9	10	11				9	4	47
28							13	20	42				5	5	41			
29	13	12	25							17	18	14				17	2	2
30				17	8	24	2	15	29				2	23	6	6	20	31
31	2	2	28	6	21	36				6	12	11	10	18	2			

.OCTOBER.

				SOLIS LIBRA		LVNAE S	G	S	G
1	A	KL	Remigii epiſcopi	17	20	0	10	11	19
2	b	6 nõ	Leodegarii epiſcopi	18	19	0	24	11	23
3	c	5 nõ		19	19	1	7	0	6
4	d	4 nõ	Franciſci confeſſoris	20	19	1	20	0	19
5	e	3 nõ		21	19	2	3	1	2
6	f	2 nõ		22	19	2	16	1	15
7	g	Non		23	19	2	29	1	28
8	A	8 id'		24	19	3	13	2	11
9	b	7 id'	Dionyſii & ſociorum eius	25	19	3	26	2	24
10	c	6 id'		26	19	4	9	3	7
11	d	5 id'		27	19	4	22	3	20
12	e	4 id'		28	20	5	5	4	4
13	f	3 id'		29	20	5	18	4	17
14	g	2 id'	Caliſti papę SCORPIO	0	20	6	2	5	0
15	A	Idus		1	20	6	15	5	13
16	b	17 kal	Nouẽb. Galli confeſſoris	2	21	6	28	5	26
17	c	16 kal	Marthę hoſpitę chriſti	3	21	7	11	6	9
18	d	15 kal	Lucę euangeliſtę	4	21	7	24	6	22
19	e	14 kal		5	22	8	8	7	5
20	f	13 kal		6	22	8	21	7	18
21	g	12 kal	Vndecim milium uirginum	7	23	9	4	8	1
22	A	11 kal	Seueri epiſcopi	8	23	9	17	8	14
23	b	10 kal	Seuerini epiſcopi	9	24	10	0	8	27
24	c	9 kal		10	25	10	13	9	10
25	d	8 kal	Criſpini & Criſpiniani	11	25	10	27	9	23
26	e	7 kal		12	26	11	10	10	6
27	f	6 kal	Vigilia	13	27	11	23	10	19
28	g	5 kal	Simonis & Iudę aplõꝝ	14	27	0	6	11	3
29	A	4 kal		15	28	0	19	11	16
30	b	3 kal		16	29	1	2	11	29
31	c	2 kal	Wolfgangi epiſcopi	17	29	1	16	0	12

Calistus

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3	7	6	49				7	6	5	3	14	40				3	14	24
4				11	0	19	15	18	42	11	21	42	7	6	49			
5	15	7	23							19	14	2	15	13	44	11	22	40
6				19	4	47	4	10	16				4	23	57	19	6	26
7	4	2	17	8	23	39				8	7	13				8	18	24
8	12	20	28				12	4	36				12	13	38			
9				16	23	43				16	16	33	1	23	26	16	2	18
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12				13	15	46				13	15	17				13	15	54
13	17	9	5				17	6	52	2	22	48	17	7	49	2	23	23
14	6	22	27	2	3	3	6	15	23				6	14	50			
15				10	18	35				10	8	44				10	6	25
16	14	7	50				14	15	24				14	3	0	14	22	13
17				18	4	46				18	12	44	3	18	23			
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19	11	14	48							7	7	40						
20				15	9	3	11	4	35	15	8	18	11	12	36			
21	19	0	31	4	16	2	19	0	58	4	17	0	19	20	7	15	0	47
22	8	7	54				8	8	38				8	7	56	4	14	27
23				12	0	21	16	17	34	12	0	4	16	15	37	12	0	32
24	16	2	55	1	23	38				1	11	40	5	23	58	1	7	29
25	5	20	55				5	7	4							9	17	12
26				9	18	25				9	2	42	13	23	27			
27							13	15	52							17	20	45
28	13	5	0	17	23	35				17	12	54	2	18	15			
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30				14	17	4	10	23	15	6	4	45	10	12	42			

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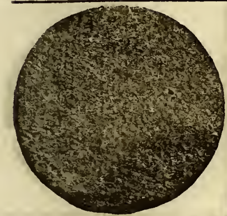
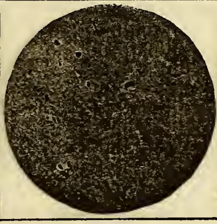
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				SCOR		S	G	S	G
1	d	K	Omnium ſanctoꝝ	18	30	1	29	0	25
2	e	4 nõ	Commemoratio animarum	19	31	2	12	1	8
3	f	3 nõ		20	32	2	25	1	21
4	g	2 nõ		21	33	3	8	2	4
5	A	Non		22	34	3	22	2	17
6	b	8 idꝰ	Leonardi confeſſoris	23	35	4	5	3	0
7	c	7 idꝰ		24	36	4	18	3	13
8	d	6 idꝰ	Quatuor coronatorum	25	37	5	1	3	26
9	e	5 idꝰ		26	38	5	14	4	9
10	f	4 idꝰ	Martini papę	27	39	5	27	4	22
11	g	3 idꝰ	Martini epiſcopi	28	40	6	11	5	5
12	A	2 idꝰ		29	41	6	24	5	19
13	b	Idus	Briccii epiſcopi SAGIT	0	42	7	7	6	2
14	c	18 kal	Decembris	1	44	7	20	6	15
15	d	17 kal		2	45	8	3	6	28
16	e	16 kal		3	46	8	16	7	11
17	f	15 kal		4	48	9	0	7	24
18	g	14 kal		5	49	9	13	8	7
19	A	13 kal	Elizabeth uiduę	6	50	9	26	8	20
20	b	12 kal		7	51	10	9	9	3
21	c	11 kal	preſentatio marie	8	52	10	22	9	16
22	d	10 kal	Cecilię uirginis	9	54	11	6	9	29
23	e	9 kal	Clementis papę	10	55	11	19	10	12
24	f	8 kal	Chryſogoni martyris	11	56	0	2	10	25
25	g	7 kal	Katherinę uirginis	12	57	0	15	11	8
26	A	6 kal	Lini papę	13	59	0	28	11	21
27	b	5 kal		15	0	1	11	0	5
28	c	4 kal		16	1	1	25	0	18
29	d	3 kal	Vigilia	17	2	2	8	1	1
30	e	2 kal	Andreę apoſtoli	18	4	2	21	1	14

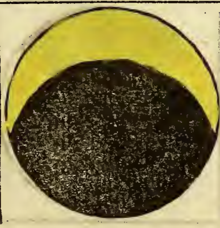
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3	7	20	22	11	15	25	7	16	36	3	0	48	7	17	24	3	1	46
4							15	11	6	11	8	55				11	8	51
5	15	2	36							19	7	44	15	2	4	19	20	4
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7				8	17	41	12	23	55	8	2	27				3	10	54
8	12	13	17										12	7	32	16	21	1
9				16	11	21				16	8	2	1	17	27			
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11	9	10	3				9	10	57				9	7	43			
12	17	23	51	13	5	7	17	18	2	13	1	46	17	18	8	13	2	39
13				2	19	31				2	10	59				2	9	37
14	6	16	3				6	4	51	10	23	36	6	1	23	10	17	39
15				10	13	10							14	19	19			
16	14	2	8	18	21	57	14	10	40							18	15	50
17	3	16	46							18	8	10	3	13	1			
18				7	10	45	3	5	15	7	1	56				7	10	31
19	11	3	48	15	19	17	11	21	42	15	20	7						
20	19	10	59				19	11	55				11	8	0	15	16	31
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22				12	13	38				12	10	33	8	19	43	4	3	25
23	16	21	24				16	8	14				16	2	45	12	11	28
24				1	18	47				1	3	48	5	13	18	1	19	34
25	5	16	23				5	0	11	9	21	15				9	7	58
26				9	13	39							13	18	43			
27	13	19	37				13	10	21							17	16	15
28				17	12	50				17	6	16	2	13	29			
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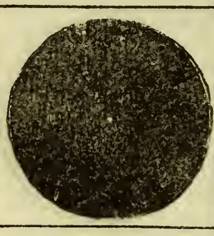
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3	A	3 nō		21	8	4	0	2	23
4	b	2 nō	Barbarę uirginis	22	10	4	14	3	6
5	c	Non		23	11	4	27	3	19
6	d	8 id⁹	Nicolai epiſcopi	24	12	5	10	4	2
7	e	7 id⁹	Octaua ſancti Andreę	25	14	5	23	4	15
8	f	6 id⁹	Conceptio Marię	26	15	6	6	4	28
9	g	5 id⁹		27	17	6	20	5	11
10	A	4 id⁹		28	18	7	3	5	24
11	b	3 id⁹	Damaſi papę	29	20	7	16	6	7
12	c	2 id⁹	CAPRICORNVS	0	21	7	29	6	20
13	d	Idus	Lucię uirginis	1	23	8	12	7	4
14	e	19 kal	Ianuarii Nicaſii epiſcopi	2	24	8	25	7	17
15	f	18 kal		3	27	9	9	8	0
16	g	17 kal		4	28	9	22	8	13
17	A	16 kal	Ignacii epiſcopi	5	29	10	5	8	26
18	b	15 kal		6	30	10	18	9	9
19	c	14 kal		7	32	11	1	9	22
20	d	13 kal	Vigilia	8	33	11	14	10	5
21	e	12 kal	Thome apoſtoli	9	35	11	28	10	18
22	f	11 kal		10	36	0	11	11	1
23	g	10 kal		11	38	0	24	11	14
24	A	9 kal	Vigilia	12	39	1	7	11	27
25	b	8 kal	Natalis domini	13	40	1	20	0	10
26	c	7 kal	Stephani ꝓtomartyris	14	42	2	4	0	23
27	d	6 kal	Ioannis euangeliſtę	15	43	2	17	1	6
28	e	5 kal	Innocentum	16	45	3	0	1	20
29	f	4 kal	Thomę epiſcopi	17	46	3	13	2	3
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31	A	2 kal	Silueſtri papę	19	49	4	9	2	29

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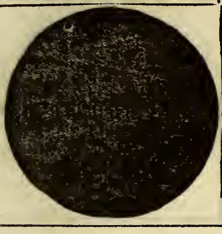
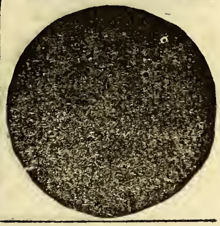
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Scotia	m	0	36	57	Erfordia	a	0	4	51
Oxonium	m	0	52	53	Lips	a	0	10	51
Compoſtellum	m	1	40	45	Ingelſtadium	a	0	4	49
Lyſibona	m	1	40	41	Nuremberga	a	0	0	49
Toletum	m	1	24	41	Ratiſbona	a	0	6	49
Corduba	m	1	27	38	Vlma	a	0	0	47
Cęſarauguſta	m	1	6	41	Praga	a	0	24	50
Rhotomagus	m	0	43	50	Vratiſlauia	a	0	40	51
Pariſius	m	0	30	48	Cracouia	a	0	56	51
Lugdunum	m	0	31	45	Caſchouia	a	0	56	50
Burdigalia	m	0	52	45	Buda	a	0	50	47
Auinio	m	0	32	44	Segnia	a	0	32	45
Toloſa	m	0	43	43	Vienna Pannonię	a	0	15	48
Vienna prouīcię	m	0	30	44	Patauia	a	0	10	48
Maſſilia	m	0	28	43	Saltzeburgum	a	0	12	48
Prugis	m	0	36	52	Iudeburgum	a	0	14	47
Gandauum	m	0	24	52	Villacum	a	0	13	46
Traiectum	m	0	12	53	Brixina	a	0	8	45
Colonia agripp	m	0	13	51	Venetię	a	0	10	45
Machlinia	m	0	24	51	Ancon	a	0	14	44
Maguntia	m	0	15	50	Roma	a	0	20	42
Herbipolis	m	0	4	50	Tarentum	a	0	44	40
Argentina	m	0	12	47	Brunduſium	a	0	40	39
Conſtantia	m	0	10	46	Neapolis	a	0	36	41
Auguſta uīdelicoꝝ	a	0	10	46	Florentia	a	0	10	43
Dacia	a	0	36	58	Mediolanum	a	0	0	44
Suetia	a	0	28	62	Taurinum	m	0	2	43
Lubeca	a	0	16	56	Genua	m	0	4	43
Dantiſcum	a	0	56	56	Sardinia	a	0	2	38
Prunſuiga	a	0	0	53	Sicilia	a	0	30	37

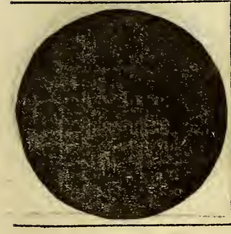
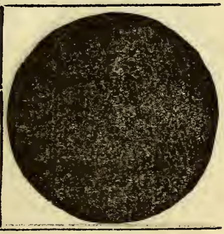
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Eclipſis Lunę	Eclipſis Lunę	Eclipſis Lunę
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Martii	Septembris	Martii
Dimidia duratio	Dimidia duratio	Dimidia duratio
1 47	1 45	1 45
		

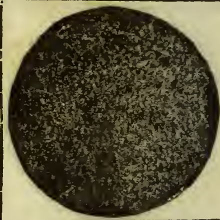
1476	1478	1479
Eclipſis Lunę	Eclipſis Solis	Eclipſis Lunę
3 11 40	29 1 59	3 15 56
Septembris	Iulii	Iulii
Dimidia duratio	Dimidia duratio	Dimidia duratio
1 46	0 56	1 53
	Puncta nouem	
		

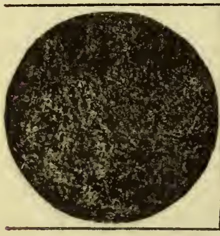
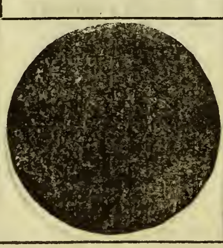
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Eclipſis Solis	Eclipſis Lunę	Eclipſis Lunę
12 23 47	28 12 50	21 21 40
Decembris	Decembris	Iunii
Dimidia duratio	Dimidia duratio	Dimidia duratio
1 2	1 44	1 31
Puncta ſeptem		Puncta octo
		

1481	1482	1482
Eclipſis Solis	Eclipſis Solis	Eclipſis Lunę
28 6 23	17 7 42	26 5 57
Maii	Maii	Octobris
Dimidia duratio	Dimidia duratio	Dimidia duratio
0 43	0 55	1 39
Puncta tria	Puncta quinqꝫ	Puncta undecim
		

1483	1483	1485
Eclipſis Lunę	Eclipſis Lunę	Eclipſis Solis
22 10 31	15 12 38	16 4 35
Aprilis	Octobris	Martii
Dimidia duratio	Dimidia duratio	Dimidia duratio
1 47	1 51	1 0
		

1486	1486	1487
Eclipſis Lunę	Eclipſis Solis	Eclipſis Lunę
18 5 41	5 17 43	7 15 47
Februarii	Martii	Februarii
Dimidia duratio	Dimidia duratio	Dimidia duratio
1 47	1 0	1 46
	Puncta nouem	
		

1487	1488	1489
Eclipſis Solis	Eclipſis Solis	Eclipſis Lunę
20 2 6	8 17 30	7 17 41
Iulii	Iulii	Decembris
Dimidia duratio	Dimidia duratio	Dimidia duratio
0 51	0 41	1 45
Puncta ſeptem	Puncta quatuor	
		

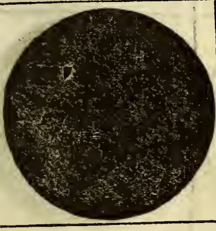
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Eclipſis Lunę	Eclipſis Lunę	Eclipſis Solis
2 10 6	26 18 25	8 3 18
Iunii	Nouembris	Maii
Dimidia duratio	Dimidia duratio	Dimidia duratio
1 55	1 47	1 5
		Puncta nouem
		

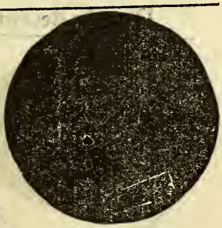
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Eclipſis Lunę	Eclipſis Solis	Eclipſis Solis
1 13 58	10 2 38	7 4 12
Aprilis	Octobris	Martii
Dimidia duratio	Dimidia duratio	Dimidia duratio
1 49	1 4	0 44
	Puncta octo	Puncta quatuor

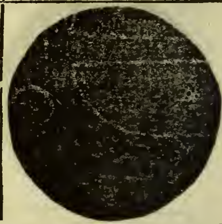




1494	1494	1497
Eclipſis Lunę	Eclipſis Lunę	Eclipſis Lunę
21 14 38	14 19 24	18 6 38
Martii	Septembris	Ianuarii
Dimidia duratio	Dimidia duratio	Dimidia duratio
1 46	1 48	1 46

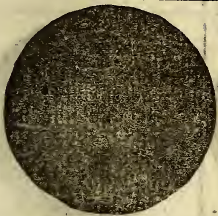


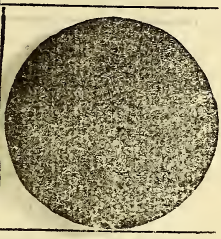


1497	1500	1501
Eclipſis Solis	Eclipſis Lunę	Eclipſis Lunę
29 3 2	5 14 2	2 17 49
Iulii	Nouembris	Maii
Dimidia duratio	Dimidia duratio	Dimidia duratio
0 36	1 37	1 52
Puncta tria	Puncta decem	
		

1502	1502	1504
Eclipſis Solis	Eclipſis Lunę	Eclipſis Lunę
30 19 45	15 12 20	29 13 36
Septembris	Octobris	Februarii
Dimidia duratio	Dimidia duratio	Dimidia duratio
1 7	1 1	1 46
Puncta decem	Puncta tria	
		

1504	1506	1508
Eclipſis Lunę	Eclipſis Solis	Eclipſis Lunę
12 8 18	20 3 11	12 17 22
Auguſti	Iulii	Iunii
Dimidia duratio	Dimidia duratio	Dimidia duratio
1 23	0 29	1 43
	Puncta duo	

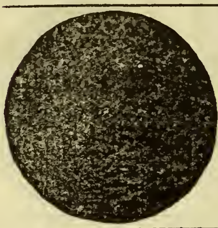
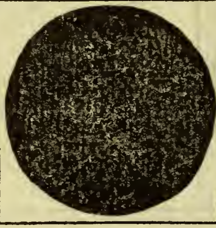
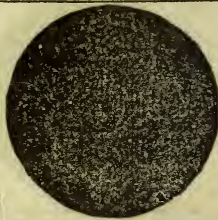




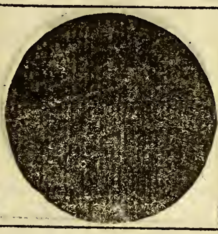
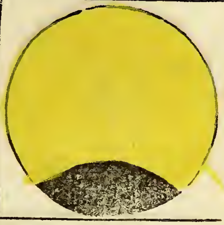
1509	1511	1513
Eclipſis Lunę	Eclipſis Lunę	Eclipſis Solis
2 11 11	6 11 42	7 1 33
Iunii	Octobris	Martii
Dimidia duratio	Dimidia duratio	Dimidia duratio
1 26	1 20	0 49
Puncta ſeptem		Puncta ſeptem

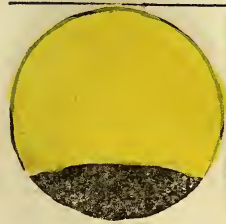
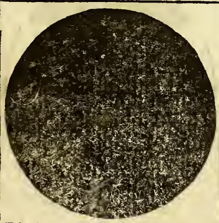
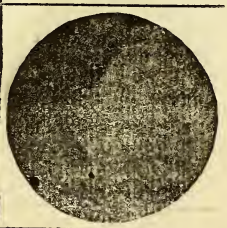


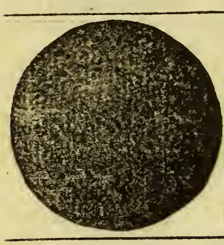
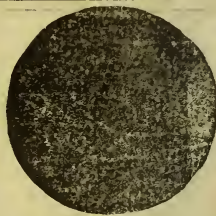


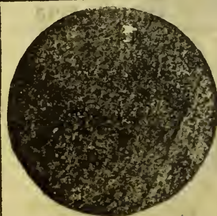
1515	1516	1516
Eclipſis Lunę	Eclipſis Lunę	Eclipſis Lunę
29 15 20	19 6 0	13 11 39
Ianuarii	Ianuarii	Iulii
Dimidia duratio	Dimidia duratio	Dimidia duratio
1 47	1 45	1 42
		

1516	1518	1518
Eclipſis Solis	Eclipſis Lunę	Eclipſis Solis
23 3 59	24 11 22	7 17 54
Decembris	Maii	Iunii
Dimidia duratio	Dimidia duratio	Dimidia duratio
0 40	1 34	1 6
Puncta tria	Puncta nouem	Puncta undecim
		

1519	1519	1520
Eclipſis Solis	Eclipſis Lunę	Eclipſis Solis
23 2 37	6 6 26	11 5 26
Octobris	Nouembris	Octobris
Dimidia duratio	Dimidia duratio	Dimidia duratio
0 58	1 50	0 27
Puncta ſex		Puncta tria
		

1520	1522	1523
Eclipſis Lunę	Eclipſis Lunę	Eclipſis Lunę
25 16 57	5 12 17	1 8 30
Octobris	Septembris	Martii
Dimidia duratio	Dimidia duratio	Dimidia duratio
1 2	1 22	1 28
Puncta tria		
		

1523	1525	1525
Eclipſis Lunę	Eclipſis Lunę	Eclipſis Lunę
25 15 16	4 10 12	29 10 8
Auguſti	Iulii	Decembris
Dimidia duratio	Dimidia duratio	Dimidia duratio
1 47	0 50	1 44
	Puncta duo	
		

1526	1527	1530
Eclipſis Lunę	Eclipſis Lunę	Eclipſis Lunę
18 10 31	7 10 54	7 12 12
Decembris	Decembris	Octobris
Dimidia duratio	Dimidia duratio	Dimidia duratio
1 48	0 58	1 50
	Puncta tria	
		

DE AVREO NVMERO.

AVreū numerum cuiuſuis anni ſic īuenies 1475
Vide quotus ſit annꝰ propoſitus a primo 1494
anno Chriſti domini. quē numeꝝ ſi offen/ 1513
des ī tabella hic appoſita: aureus numerꝰ ē 1532
13. ſi non: numero proximo minori illic 1551
exp̄ſſo da 13: ſequenti 14: et iterum ſuccedenti 15. ſic qꝫ 1570
deinceps donec ꝑduceris ad numeꝝ anni propoſiti. hoc eſt: ſin gulis annis ſingulos aureos numeros accōmoda incipiendo ab anno qui apparet in tabella: et a 13 p̄mo ſcilicet ī ſerie aurei nu/ meri ſubſcripta. nā ubi ānꝰ tuꝰ ſedē īueniet: illic habebis aureū numeꝝ quęſitum. Sub quo etiam continuo clauis feſtorū mobi lium cōmunis apparebit.

13	14	15	16	17	18	19	1	2	3	4	5	6	7	8	9	10	11	12
14	33	22	11	30	19	38	26	15	34	23	12	31	20	39	28	17	36	25

DE CYCLO SOLARI ET LITTERA DOMINICALI.

NVmerus cycli ſolaris ſimili computo deprebendit̃
ꝑ ſuā tabellā hic poſitā. Nam ſi numerꝰ āni 1475
ꝓpoſiti ſcriptus eſt in ea tabella: cycli ſola/ 1503
ris numerus eſt 28. Si non eſt illic exp̄ſſus: 1531
da proximo mīori ibidē ſcripto 28: ſequēti 1559
1: ac rurſus ſuccedenti 2. ſic qꝫ deinceps queādmodū de 1587
aureo numero pręcipiebatur: donec ad annum ꝓpoſitū 1615
ꝑuenies. nam ubi talis annorū ſupputatio deſinet: illic in ſerie cycli ſolaris ſubſcripta numerū cycli ſolaris quęſitū agnoſces. Sub eo autem numero cycli ſolaris cōtinuo habebis litterā do/ minicalem anni tui. quę ſi unica occurrat: annum eſſe conmu/ nem intelliges. ſi duplex: biſſextilem. Prior id eſt ſuperior ad feſtum uſqꝫ Matthię apoſtoli utilis erit. Inferior autē ad re/ liquam anni partem accōmodabitur.

28	1	2	3	4	5	6	7	8	9	10	11	12	13
A	g	e	d	c	b	g	f	e	d	b	A	g	f
	f				A				c				e
14	15	16	17	18	19	20	21	22	23	24	25	26	27
d	c	b	A	f	e	d	c	A	g	f	e	c	b
			g				b				d		

DE INDITIONE.

Porro ut breuiter res uulgatas percurramus haud diſſi/ 1475
militer colligetur numerus cycli inditionalis aſſumpta p̄/ 1490
ſenti tabella annorum Chriſti domini : quorũ unuſquiſq; 1505
habet 8 : id eſt : cycli inditionalis octauus eſt . cęteri autẽ 1520
anni in tabella non apparentes ſecundum ĩditionis ſeriẽ 1535
hic ſubiunctam diſtributi ſuos quiq; numeros inuenient .

8	9	10	11	12	13	14	15	1	2	3	4	5	6	7

DE INTERVALLO ET FESTIS MOBILIBVS.

INteruallum carniſpriuiale feſta q; mobilia quoli/bet anno ſic facile dignoſces . Animaduerte aureũ numerum anni propoſiti in primo ordine tabulę feſtorum mobilium . ſub quo ĩ ſequenti ordine ui/delicet litterarum dominicalium accipe litterã do/minicalem anni tui proximo occurrentem. quę erit index omni um per hanc tabulam promiſſorum. Nam in uerſu qui ab ea lit/tera dominicali dextrorſum porrigitur primo uidebis inter/uallum : id eſt tempus a natali ſaluatoris noſtri ad dominicam qua cantatur Eſto mihi . deinde diem ſeptuageſimę & cętera quę cunq; fronti tabulę inſcripta ſunt . Sed interuallum duos habet ordines quorum prior docet hebdomadas ĩtegras . poſterior au tem concurrentes ſi qui anno quopiam fuerint : id eſt dies ſep/tenario pauciores qui ſeptimanis integris adnumerantur. quos quidem accedere oportet quotiens natalis Chriſti domini pręter diem dominicam agitur. Itaq; interuallum carniſpriuiale ſemp

Itaq; interuallum carniſpriuiale ſemp duorum annorum pars eſt: appellationē ſumēs a poſteriori: qm̄ ī eo finem habet: q̄uis cōcurrentes ſint anni prioris: dies ſcilicet a natali ad dominicā proximo ſequētē quando natalis ipſe alia q̄ dominica die pagit̃. Quaobrē recte pręcipit̃ ī āno biſſextili quom duplex ſit lrā dominicalis hebdomadas quidē integras p̱ poſteriorem: concurrentes uero p̱ priorem quęri debere. Nec temere iuſſimus ſub aureo numero lrām dominicalē in ſuo ordine accipi. Nam ſi aliquando lrā dominicalis e directo aurei numeri appareat: ea nō erit conueniens nuncia feſtorū mobilium. ſed ad ſequentē ꝓximo deſcendendū eſt. Sic enī: quod patribus placuit: nūq̄ paſcalis celebritas cum hebraica coincidet obſtinatione: modo paſcalis comput9 rite tractetur. Eſt & alia uia inueniendi quīq; feſta mobilia quoꝝ claues in kalendario poſitę ſunt ad hunc modum Quot ſunt unitates in claue feſtorum mobilium cōmuni ſuperius per aureum numerum inuenta: tot dies computa in kalendario a loco clauis cuiuſcunq; feſti mobilis. poſtremus enim dies uocatur terminus feſti quęſiti. ipſum autem feſtum peragi ſolet dominica die quę proximo ſuccedit.

Verum in āno biſſextili cautelis q̄buſdam opus ē. Tunc enī nō ſolum cōcurrētes ſed et ſeptuageſima ac quadrageſima p̱ priorē litterā dominicalem accipi debēt. reliqua uero omīa p̱ poſteriorem. Attamē quadrageſima retrahēda erit p̱ diem unū ſi iuxta hanc cautelā ad uigeſimāquartam diē Februarii aut poſt eā peruenerit. Q̄ ſi p̱ clauem libeat inueſtigare memorata feſta: claui ipſi addēda ē unitas quotiens in āno biſſextili ſeptuageſima aut quadrageſima quęritur. retracta itē quadrageſima per unum diem ſi in uigeſimaquarta Februarii aut poſt eā inuēta fuerit.

SEQVITVR TABVLA FESTORVM MOBILIVM.

TABVLA FESTO

16 Aureus numerus.	Littera dominicalis.	Interuallū ad Eſto mihi.	Concurrentes.	Ianu Septuageſima.	Febr Quadrageſima.	Mar Paſca.	Apri Rogationes.	Maii Pentecoſte.	Maii Corporis Chriſti.	Hebdomadȩ a pent ad Io. bap.	Dies ſuperflui.	Hebdo. a pēte. ad aduētū dñi	No Aduentus domini.	Hebdo. ab aduētu ad natalē do	Dies ſuperflui:
5	d	5	3	18	8	22	26	10	21	6	3	29	29	3	5
	e	5	4	19	9	23	27	11	22	6	2	29	30	3	4
13	f	5	5	20	10	24	28	12	23	6	1	29	1	3	3
2	g	5	6	21	11	25	29	13	24	6	0	29	2	3	2
	A	6	0	22	12	26	30	14	25	5	6	29	3	3	1
10	b	6	1	23	13	27	1	15	26	5	5	28	27	4	0
	c	6	2	24	14	28	2	16	27	5	4	28	28	3	6
18	d	6	3	25	15	29	3	17	28	5	3	28	29	3	5
7	e	6	4	26	16	30	4	18	29	5	2	28	30	3	4
	f	6	5	27	17	31	5	19	30	5	1	28	1	3	3
15	g	6	6	28	18	1	6	20	31	5	0	28	2	3	2
4	A	7	0	29	19	2	7	21	1	4	6	28	3	3	1
	b	7	1	30	20	3	8	22	2	4	5	27	27	4	0
12	c	7	2	31	21	4	9	23	3	4	4	27	28	3	6
1	d	7	3	1	22	5	10	24	4	4	3	27	29	3	5
	e	7	4	2	23	6	11	25	5	4	2	27	30	3	4
9	f	7	5	3	24	7	12	26	6	4	1	27	1	3	3
	g	7	6	4	25	8	13	27	7	4	0	27	2	3	2

Aureus numerus.	Littera dominicalis.	Interuallū ad Eſto mihi.	Concurrentes.	Febr Septuageſima.	Febr Quadrageſima.	Apri Paſca.	Maii Rogationes.	Maii Pentecoſte.	Iunii Corporis Chriſti.	Hebdomadę a pent ad Io. bap.	Dies ſuperflui.	Hebdo. a pēte. ad aduētū dnī	Aduentus domini.	Hebdo. ab aduētu ad natalē do	Dies ſuperflui:
17	A	8	0	5	26	9	14	28	8	3	6	27	3	3	1
6	b	8	1	6	27	10	15	29	9	3	5	26	27	4	0
	c	8	2	7	28	11	16	30	10	3	4	26	28	3	6
14	d	8	3	8	1	12	17	31	11	3	3	26	29	3	5
3	e	8	4	9	2	13	18	1	12	3	2	26	30	3	4
	f	8	5	10	3	14	19	2	13	3	1	26	1	3	3
11	g	8	6	11	4	15	20	3	14	3	0	26	2	3	2
	A	9	0	12	5	16	21	4	15	2	6	26	3	3	1
19	b	9	1	13	6	17	22	5	16	2	5	25	27	4	0
8	c	9	2	14	7	18	23	6	17	2	4	25	28	3	6
	d	9	3	15	8	19	24	7	18	2	3	25	29	3	5
	e	9	4	16	9	20	25	8	19	2	2	25	30	3	4
	f	9	5	17	10	21	26	9	20	2	1	25	1	3	3
	g	9	6	18	11	22	27	10	21	2	0	25	2	3	2
	A	10	0	19	12	23	28	11	22	1	6	25	3	3	1
	b	10	1	20	13	24	29	12	23	1	5	24	27	4	0
	c	10	2	21	14	25	30	13	24	1	4	24	28	3	6

DE CONIVNCTIONIBVS AC OPPOSITIONIBVS LVMINARIVM

COniūctiones atq; oppoſitiones luminarium uerę haud difficulter deprehendentur pręambulis quibuſdam prius expoſitis. Vnuſquiſq; igitur duodecim mēſium anni duas habet parteſ aut facies: quarū dextra quidem ad kalēdariū attinet. Eius primus ordo habet numerum dierum menſis cuiuſlibet qui 31 nuſq̄ ſupat. Sequens ordo ſeptenis conſtat litteris: quarū quęlibet ad certam ſeptimanę diem refertur. et quę ad dominicam ſpectat diem littera dominicalis uulgo nūcupat᷑. Succedunt itē triplices numeri nonarum: iduum atq; kalendarum. Cuiuſlibet nempe menſis dies trifariam diſtinguūtur in kalendas uidelicet nonas et idus ita ut primi ſingulorum menſium dies kalendę nūcupētur: ſequentibus quaternis aut ſenis quādoq; diebus qui dicuntur nonę. item octonis in quolibet mēſe idibus. dies autē reliqui omēs kalēdę numeratę uocāt᷑: numeris tā eaꝝ q̄ pręcedentium appellationū cōtinue decreſcētibꝰ. Quis autē kalendę initiales nonę itē atq; idꝰ a mēſe ī quo ſcribūt᷑ denominationē ſumāt: kalendę tamē numeratę ad ſequētē referūt᷑ mēſem. quāobrē & iuxta ſupmā eaꝝ nomē mēſis ſuccedentis adnotat᷑. Deinde occurrūt noīa ſanctoꝝ quorūdā quibus dies mēſiū dicati ſunt. Poſtremo loco ſunt tres columnulę numeroꝝ binis diſtinctę lineis. quaꝝ ꝑma ē Solis ueluti īſcriptio admonet. cuius priores quidē numeri gradꝰ ītegros ueri motꝰ Solis: poſteriores autem minutias graduū cōtinēt. Sunt q; gradus illi atq; minutię eius ſigni quod ꝓxime ſup̄ ſcribit᷑. Reliq̄s duas colūnulas luna ſibi uendicat. q̄ꝝ utraq; duplices habet nūeros: ꝑoribꝰ qdē ſigna: poſterioribꝰ autē gradꝰ ſignificātibꝰ. Siniſtra deniq; facies poſt nūeꝝ dierū atramēto ſcriptū ſex habet colūnas quiq; uacuis īſtitiis ſepatas. q̄ꝝ unaquęq; triplici nūeroꝝ cōſtat ordine nō qdē cōtinue ubiq; ſed ſaltim non nūq̄ ſuccedētiū.

Primus ordo habet aureum numeꝝ rubro ſcriptum. ſecundus horas: tertiꝰ minuta horarum complectit̃. Hę columnę tribus cyclis decēnoualibus accommodantur: quoꝝ uidelicet quis de/cēnouē ānos cōtinet. Primꝰ initiū ſumit ab āno Chriſti dnī 1475 ſecūdꝰ ab āno 1494 et tertiꝰ āno 1513. quos etiā ānos numeri ſui ſup̃ binas colūnas poſiti reprę ſentāt. Horū autē cycloꝝ cuilibet duę ex prędictis ſex columnis adaptant̃. Prior cuiuſlibet cycli columna coniūctionibus: poſterior autem oppoſitionibus lu/minarium ueris inſeruit ueluti inſcriptiones quę ſunt in capi/tibus columnarum admonent. Quando itaq; libet ſcire tēpus coniūctionis uerę luminarium mēſe quopiā uſuali quęre aure/um numerū anni propoſiti in columna coniunctionū cycli cur/rentis (currentem uocamus in quo annus propoſitus contine/tur) et e directo ipſius a dextris quidem uidebis horas et minu/tias ſi quę ſint: a ſiniſtris autem in extremo ordine numeꝝ diei a cuius meridie cōputari debent horę cū minutiis priꝰ acceptę: quibus exactis fit talis coniunctio. Q̃ ſi uelis diem huiuſmodi inſigni q̄dam appellatione pronūciare quęre numerū eius ī primo ordine kalendarii. iuxta enī apparebit quota ſit ſeptimanę dies aut cui celebritati dicata uicina ue ſit. Nō alit̃ inuenies tēpꝰ oppoſitionis uerę ſi aureum numerū in columna oppoſitionū aīaduertas. Sed hęc quidem ſimpliciter accipienda ſunt ſicuti monuimꝰ ſi a minutis non prominet gnomūculus aliquis: id ē ſignū quoddā huiꝰmodi ┘ ┐. ſiue ſurſum uergat ſiue deorſum. Nam ſi tale ſignum apparuerit in interſtitio columnarum: ho/rę dudum acceptę ad alium diem trahuntur eum ſcilicet iuxta quem deſinit huiꝰcemodi gnomūculus. Verbigratia coniūctio quę in tertio cyclo notatur iuxta uigeſimāſecundā Ianuarii diē ad uigeſimāprimā eiuſdem attinet. hoc ē: horę 15 cū minutis 18 non a meridie uigeſimęſecundę diei quam indicat aureus nu/merus 17: ſed a meridie uigeſimęprimę ſunt numerādę: quo/niam: gnomunculus ſurſum porrectus illic deſinit. Sic oppo/

ſitio ſecundi cycli quę iuxta nonam diem Septembris ſcribitur ad octauam retorquetur . et quę iuxta octauā ponitur ad ſeptimam reduci debet . Pari ratione oppoſitio tertii cycli quę contra 23 diem Nouēbris ſtatuit̄ ad 24 eiuſdem ſpectat gnomūculo illic ad tertiū deſcendente uerſum . Item coniunctio primi cycli iuxta tertiam Decembris diē apparens ad ſecundam eiuſdem : & quę ſecundę diei adſcribitur ad primam attinet gnomūculis illic duobus quemadmodum in Septembri cohęrentibus . Sic autem numeros quoſdam alienis ſiſtere ſedib⁹ ratio opificii cogebat . Verum omnem hanc ſupputationē horarum cū miuntiis ſuis ad meridianum oppidi nurembergenſis referri uoluimus ꝙ locus ille dignus uidebatur quē nouo litterarum genere celebraremus. Hoc etiam accedente ꝙ in ea habtatione noſtra pręſens opuſculum condidimus. Nec tamen idcirco alios quoſuis locos uſu kalendarii noſtri fraudauim⁹: ſed ipſum quaſi mun⁹ commune toti ferme Europę imptiuimus ſubiūcta regionū tabula quę docet quantum quis alius locus numeris ſcriptis addere debeat aut detrahere . Nanq; in ea poſt ordinem ꝓuīciarū ac ciuitatū inſigniorū ad ſiniſtrā eūti mox alterutra litterarum m et a occurrit . m . quidē ſignificans ꝙ numer⁹ ſequens minui debet a tēpore per aureum numerū ſupius accepto . a . uero ꝙ talis numer⁹ addi debet ſiue habeat horam aliquam cum minutis : ſiue tantūmodo minuta . prior enim ordo columnulę lrās m et a ſequentis horariam habet inſcriptionem . poſterior autē minutias exhibet . Facta igitur additione aut minutione prout nota occurrens admonet : habebitur tempus coniūctionis aut oppoſitionis uerę ad locum propoſitum ac ſi omnis ſupputatio ad meridianum eiuſdem loci directa foret . Scribere autem omnia loca quę noſtra tempeſtate habitantur immēſum erat . quocirca paucas inſigniores habitationes exarauimus . quę uero in uicinia ſingulaꝝ iacent ad ſcriptas tanquā primarias reducēt̄ : pauxillo quopiā ītuallo nullā differētiā notatu dignā īportāte .

Porro ut ſimul uniuerſū huiꝰ tabulę tenorē interp̄temur: po/
ſtremus ordo ſimplex oſtendit quot gradibuſ polus mūdi aqui/
lonius ſupra horizontē cuiuſuis loci adnotati extollitur. Is au/
tem numerus quemadmodum uſuueniat inferius aperietur.

DE ECLIPSIBVS LVMINARIVM.

Eclipſis Solis aut Lunę omī eo anno futura ē cuiꝰ
numerus a primo anno Chriſti domī cęptus in ca
pite cuiuſpiam columnę eclipſalis apparet. Tem
pus autē eclipſis numero ſuccedenti deprehendit᷑
tribus conſtante particulis ſep̄atim ſcriptis: quaꝝ
p̄ma diē mēſis qui mox etiā ſubiūgit᷑ oſtēdit: ſecūda horas: ter/
tia minutias: quibꝰ a meridie talis diei computatis mediū eclip
ſis euenit. Sequit᷑ dimidia duratio quę duplici plerūq; conſtat
nūero horę uidelicet uniꝰ ac minutoꝝ. nōnūquā uero minutis
dūtaxat contenta eſt. Vocamꝰ autē dimidiā durationē id tempꝰ
quod ē ab initio eclipſis uſq; admediū eiuſ: aut ab eo medio uſq;
ad finē. Quaprop̄t ſi talis dimidia duratio a medio eclipſis de/
mat᷑: reſtabit initiū eclipſis. eadē q; ad mediū eclipſis appoſita fi
nē eclipſis cōmōſtrabit. Poſtremo ſi qua eclipſis p̄ticularis fue/
rit pūcta eius adnotāt᷑: id ē quot duodecimę ex diametro lumīa
ris deficiētis occultabūt᷑. Quę res etiā figuratiōe haud īcōmo/
da rep̄ſentat᷑. Nā quāta p̄s circuli lumīare ſignificātis atramēto
tīcta ē: tātā ex ſup̄ficie ipſiꝰ lumīariſ nobiſ obuerſa defecturā eſſe
p̄nūciabis: ſitu etiā deficiētis p̄tis ī noteſcēte. Inferior quippe
lumīaris p̄s deficiet ſi īferior p̄s circuli nigella ſit. ſup̄ior autē ſi
ſup̄ior circuli porcio atra fuerit. Eclipſim uero uniuerſalē cir/
culꝰ ōnino niger ſignificat. Sed huc q̄q; ſpectat tabula regionū
ſi aliubi q̄ ī oppido nurembergenſi degas. quātum enim ſup̄ius
addidiſti tempori cōiunctionis uel oppoſitionis uerę aut ab eo
detraxiſti tantum hic quoq; ad mediū eclipſis adde aut ex eo mi/
nue p̄ut nota. a. uel. m. ī tabula regionū apparens admonet.

DE LOCO SOLIS VERO.

Verum Solis locum hoc pacto cognoſces. Intra tabulam ſolis ſubſcriptam cum numero anni propoſiti. & quod iuxta eum apparebit adde ei numero qui ſcribitur in columnula Solis ad diem propoſitã: priorem uidelicet numerum priori et poſteriorẽ qui eſt minutorum poſteriori. At ſi ſumma minutorũ ultra 60 euaſerit: pro 60 ablatis adde gradum unum: reliquis in loco ſuo dimiſſis. Verum in anno communi poſt diem ſancti Matthię apoſtoli uſq; ad finem anni facta additione huiuſcemodi demendus eſt gradus unus. quod enim relinquet᷑ oſtendet uerum locum ſolis in gradibus & minutis ad meridiem diei propoſitę. Quantum autem addi uel minui oporteat propter meridianoꝝ differẽtiã q̃niã illud ꝑexiguũ eſt conſulto pręterimus.

TABVLA SOLIS.

anni	g m	anni	g m	anni	g m	anni	g m
1475	0 16	1490	0 38	1505	1 0	1520	0 21
1476	0 2	1491	0 23	1506	0 45	1521	1 7
1477	0 48	1492	0 9	1507	0 30	1522	0 52
1478	0 33	1493	0 55	1508	0 16	1523	0 37
1479	0 18	1494	0 40	1509	1 2	1524	0 23
1480	0 3	1495	0 25	1510	0 47	1525	1 9
1481	0 49	1496	0 11	1511	0 32	1526	0 54
1482	0 34	1497	0 57	1512	0 18	1527	0 39
1483	0 19	1498	0 42	1513	1 4	1528	0 25
1484	0 5	1499	0 27	1514	0 49	1529	1 11
1485	0 51	1500	0 12	1515	0 34	1530	0 56
1486	0 36	1501	0 58	1516	0 20	1531	0 41
1487	0 21	1502	0 43	1517	1 6	1532	0 27
1488	0 7	1503	0 28	1518	0 51	1533	1 13
1489	0 53	1504	0 14	1519	0 36	1534	0 58

DE LOCO LVNAE VERO.

Locus lunę uerus facile deprehendet̄ ſi priꝰ inſtrumēti lunaris ꝑtes dignoſcētur. Eſt itaq; in eo īſtrumento zodiacus duodecim ſignoꝝ ſuis characteribus diſtinctoꝝ. Signa trigenos habēt gradus. hic autē urgente loci āguſtia unūquodq; ſpaciolū duos repręſentat gradꝰ: Intra zodiacū ē ęq̄tor Lunę numeros ab uno ad ſex ultra citro q; geſtās. Adſunt etiā duę rotulę mobiles duobus numeris lunaribus in kalēdario poſitis reſpondentes: duobꝰ q; qui ī tabula radicū lunę iuxta numeros annoꝝ ſcribūtur. quoꝝ prior ſigna: poſterior autē gradus repręſentat. His cognitis ſtatuēdę ſūt radices lunę ut ſemel īuētę per totū quēuis annū in promptu ſint. Intra itaq; tabulā radicū lunę cū numero anni ꝓpoſiti: et numeꝝ lunę priorem qui ſignis & gradibus cōſtat computa in zodiaco ab ariete ubi crux ē incipiendo: ita ut aries habeat 1: taurus 2: gemī 3. et ſic deinceps. ubi autē numerꝰ ille deſinet pone filū īſtrumēti: rotulā q; maiorē uolue donec caput eius: id ē crux ſub filo iaceat. & ita manētem rotulā fige ītrinſecꝰ cū cera. talis enī erit ſitꝰ eius ꝑ totū annū. Similit̄ poſteriori nūero ſecūdū ſigna zodiaci cōputato: filo q; ad finem talis numeri traducto uolue rotulā minorem donec caput eiuꝰ filo occultet̄: in eo q; ſitu fige rotulā ut ꝑ totū annum illic maneat. Quotiens itaq; locū lunę ī zodiaco ſcire cupis numeꝝ lunę priorē qui ī kalēdario ad diē ꝓpoſitam ſcriptus ē computa a capite maioris rotulę: ad finē q; eius pone filū īſtrumēti. mox enī ſub ipſo filo habebit̄ ī zodiaco locꝰ lunę mediꝰ. Vnde et uerus continuo emerget ſi numerum lunę poſteriorē ī kalendario poſitum computaueris a capite minoris rotulę. nam ſub filo ad exitū talis numeri tranſlato in ęq̄tore lunę offerent̄ gradꝰ addēdi ad mediū lunę locū ſupra ī uētū ſi ī inferiori ſemicirculo ęq̄toris accipiāt̄. aut minuēdi ab eodē ſi ī ſupiori. Semicirculos autē noto eos qui iuxta arietē ac librā īcipiūt deſinūt q;.

Verum in anno biſſextili a feſto ſancti Matthię apoſtoli uſq; ad exitũ anni utriq; numero lunari gradus· 13 . ſupaddi oportebit

TABVLA RADICVM LVNAE.

anni	s g	s g	anni	s g	s g	anni	s g	s g	anni	s g	s g
1275	6 23	2 1	1290	1 7	0 3	1305	7 20	10 6	1320	1 20	7 26
1276	11 2	4 29	1291	5 16	3 2	1306	11 29	1 5	1321	6 13	11 8
1277	3 25	8 11	1292	9 25	6 1	1307	4 9	4 4	1322	10 22	2 7
1278	8 4	11 10	1293	2 18	9 13	1308	8 18	7 3	1323	3 2	5 6
1279	0 14	2 9	1294	6 27	0 11	1309	1 11	10 14	1324	7 11	8 4
1280	4 23	5 7	1295	11 7	3 10	1310	5 20	1 13	1325	0 4	11 16
1281	9 16	8 19	1296	3 16	6 9	1311	10 0	4 12	1326	4 13	2 15
1282	1 25	11 18	1297	8 9	9 21	1312	2 9	7 11	1327	8 22	5 14
1283	6 4	2 16	1298	0 18	0 19	1313	7 1	10 22	1328	1 2	8 12
1284	10 14	5 15	1299	4 27	3 18	1314	11 11	1 21	1329	5 24	11 24
1285	3 6	8 27	1300	9 7	6 17	1315	3 20	4 20	1330	10 4	2 23
1286	7 16	11 26	1301	1 29	9 29	1316	8 0	7 18	1331	2 13	5 22
1287	11 25	2 24	1302	6 9	0 27	1317	0 22	11 0	1332	6 22	8 20
1288	4 5	5 23	1303	10 18	3 26	1318	5 2	1 29	1333	11 15	0 2
1289	8 27	9 5	1304	2 27	6 25	1319	9 11	4 28	1334	3 24	3 1

Quoniam autem nonnulli quęritant tempora inciſionī uenaꝝ apta: habet q; luna plurimū poteſtatis in ea re aliis atq; aliis re/cepta ſignis: nō abſentaneū uidetur hic attexere generales q̄ſdā ſignorum proprietateſ: quibuſq; partibus humani corporis ſingula accomodari ſoleant: ut q̄uis breui ac craſſo quodā argumēto ſigna apta inepta q; internoſcantur. pleniorem nanq; hui9 rei tractatum alibi reddemus. Igitur. ARIES ut ꝓhibent aucto/res calidus et ſiccus eſt atq; igneus: caput hominis totū ſibi uendicans. aptus inciſioni uenę. TAVRVS frigidus: ſiccus ter/reuſq; ad collum ſpectat: inept9 ſanguini fundendo. GEMINI calidi: humidi: & aerei humeros: brachia: manus q; tutāt̄: inutiles uenis aperiendis. CANCER: frigidus: humidus: aqueus pectori: ſtomacho pulmoni q; accommodatur: uarius in minutione ſanguinis. LEONEM calidum & ſiccum igneum q; eſſe ꝓhibent: dorſum ac latera reſpicientem: periculoſum ſanguini emittendo. VIRGINIS ſignum frigidum: ſiccum terreum q; ad uentrē ac inteſtina ſpectat indifferens uenę ſecādę. LIBRA calida: humida: aerea umbilicū: lumbos inferiora q; uētris ſortitur: utilis ſanguini minuendo. SCORPIO frigidus: humidus aquaticuſq; pudenda gubernat: incertus aduenam incidendam. SAGITTARIO calido: ſicco et igneo coxę adſcribūtur: utili ad inciſionem uenę. CAPRICORNVS frigidus: ſiccus ac terreuſ habet genua. ad ſanguinis autem minutionem inuti/lis exiſtit. AQVARIVS calidus: humidus et aereus ad cru/ra refertur: indifferens uenę incidendę. PISCES quoq; indifferentes ſunt frigidi humidi et aquatici: pedes q; in tutela reci/piunt. Illud autem non eſt obliuione prętereundum q; etſi luna in ſigno quopiam fuerit ad minutionem ſanguinis electo: non tamen attingi debet pars corporis eidem ſigno allegata. Pręte/rea iuuentuti quidem luna creſcens: ſenibus autem decreſcens eligi conſueuit.

DE MAGNITV/ DINE DIEI.

AD quantitatem diei ubiuis agnoſcẽdã ꝓpria expoſita eſt tabula : in cuiꝰ fronte numeri quidam ſta/tuunt̃ eleuationẽ poli borealis ſignificantes. in la teribus autẽ extremiſ ſigna zodiaci cũ ternis gra/dibus ſuis adiacent . Illic ergo ad quãuis diem acci pe ſignũ et gradum ſolis . nam e directo ipſiꝰ ſub numero eleua tionis polaris apparebit quantitas tẽporis ſemidiurni in horis et minutis ſuis ſi ſol in aliquo ſignoꝶ borealium fuerit. aut quã titas tpı̃s ſeminocturni ſi in auſtrali quopiã extiterit . quod tẽ/pus ſeminocturnũ ex 12 horis ablatum relinquit quãtitatẽ tpı̃s ſemidiurni. Ea autem quantitate duplicata totum tempꝰ diur/num conflabitur. Quum autem dies cum nocte ſua ſimul ui/gintiquatuor horis conſtent : ſi quantitatem diei ex uigintiqua tuor horis demas: quãtitas noctiſ relinquetur . Q; ſi gradus ſo/lis non appareat in alterutro extremorũ ordinũ : conſiderabis duos iuxta eum uiciniores. nam penes ſitum eius ad illos ꝓpor cionaliter coniectabis quantitatem temporis ſemidiurni medi/am quodammodo inter duas quantitates dierum duobus illis uicinioribus gradibus reſpondentes . Porro ſemidiurni tem/poriſ quantitas indicat qua hora ſol occidit: ſicut et ſeminoctur num tempus ortum ſolis declarat . Vt autem ſignorum chara/cteres agnoſcas hic appoſita ẽ tabella oſtendens etiam quę borealia quę ue auſtralia nuncupentur.

Borealia	Auſtralia
♈ Aries	♎ Libra
♉ Taurus	♏ Scorpio
♊ Gemini	♐ Sagittarius
♋ Cancer	♑ Capricornus
♌ Leo	♒ Aquarius
♍ Virgo	♓ Piſces

TABVLA QVANTITATIS DIERVM

	36	37	38	39	40	41	42	43	44	45	
G	h m	h m	h m	h m	h m	h m	h m	h m	h m	h m	G
♎♈	6 0	6 0	6 0	6 0	6 0	6 0	6 0	6 0	6 0	6 0	30
3	6 3	6 4	6 4	6 4	6 4	6 4	6 4	6 4	6 5	6 5	27
6	6 7	6 7	6 8	6 8	6 8	6 8	6 9	6 9	6 9	6 10	24
9	6 10	6 11	6 11	6 12	6 12	6 12	6 13	6 13	6 14	6 14	21
12	6 14	6 14	6 15	6 15	6 16	6 17	6 17	6 18	6 18	6 19	18
15	6 17	6 18	6 19	6 19	6 20	6 21	6 21	6 22	6 23	6 24	15
18	6 21	6 22	6 22	6 23	6 24	6 25	6 26	6 27	6 27	6 29	12
21	6 24	6 25	6 26	6 27	6 28	6 29	6 30	6 31	6 32	6 33	9
24	6 27	6 28	6 30	6 31	6 32	6 33	6 34	6 35	6 36	6 38	6
27	6 31	6 32	6 33	6 34	6 36	6 37	6 38	6 40	6 41	6 43	3
♏♉	6 34	6 35	6 37	6 38	6 39	6 41	6 42	6 44	6 45	6 47	♍♓
3	6 37	6 39	6 40	6 41	6 43	6 45	6 46	6 48	6 50	6 51	27
6	6 40	6 42	6 43	6 45	6 47	6 48	6 50	6 52	6 54	6 56	24
9	6 43	6 45	6 47	6 48	6 51	6 52	6 54	6 56	6 58	7 0	21
12	6 46	6 48	6 50	6 52	6 54	6 56	6 58	7 0	7 2	7 4	18
15	6 49	6 51	6 53	6 55	6 58	6 59	7 1	7 4	7 6	7 8	15
18	6 52	6 54	6 56	6 58	7 0	7 3	7 5	7 7	7 10	7 12	12
21	6 55	6 57	6 59	7 1	7 3	7 6	7 8	7 11	7 13	7 16	9
24	6 57	7 0	7 2	7 4	7 6	7 9	7 11	7 14	7 17	7 20	6
27	7 0	7 2	7 4	7 7	7 9	7 12	7 15	7 17	7 20	7 23	3
♐♊	7 2	7 4	7 7	7 9	7 12	7 15	7 17	7 20	7 23	7 26	♌♒
3	7 4	7 7	7 9	7 12	7 14	7 17	7 20	7 23	7 26	7 29	27
6	7 6	7 9	7 11	7 14	7 17	7 19	7 25	7 26	7 29	7 32	24
9	7 8	7 10	7 13	7 16	7 19	7 22	7 25	7 28	7 31	7 35	21
12	7 9	7 12	7 15	7 17	7 20	7 23	7 27	7 30	7 33	7 37	18
15	7 11	7 13	7 16	7 19	7 22	7 25	7 28	7 32	7 35	7 39	15
18	7 12	7 14	7 17	7 20	7 23	7 26	7 30	7 33	7 37	7 40	12
21	7 13	7 15	7 18	7 21	7 24	7 27	7 31	7 34	7 38	7 42	9
24	7 13	7 16	7 19	7 22	7 25	7 28	7 32	7 35	7 39	7 42	6
27	7 14	7 16	7 19	7 22	7 25	7 29	7 32	7 35	7 39	7 43	3
30	7 14	7 17	7 19	7 22	7 26	7 30	7 32	7 36	7 39	7 43	♋♑

TABVLA QVANTITATIS DIERVM

	46	47	48	49	50	51	52	53	54	55	
G	h m	h m	h m	h m	h m	h m	h m	h m	h m	h m	G
♎♈	6 0	6 0	6 0	6 0	6 0	6 0	6 0	6 0	6 0	6 0	30
3	6 5	6 5	6 5	6 6	6 6	6 6	6 6	6 6	6 7	6 7	27
6	6 10	6 10	6 11	6 11	6 11	6 12	6 12	6 13	6 13	6 14	24
9	6 15	6 15	6 16	6 16	6 17	6 18	6 18	6 19	6 20	6 20	21
12	6 20	6 20	6 21	6 22	6 23	6 24	6 24	6 25	6 26	6 27	18
15	6 25	6 26	6 26	6 27	6 28	6 29	6 31	6 32	6 33	6 34	15
18	6 30	6 31	6 32	6 33	6 34	6 35	6 37	6 38	6 39	6 41	12
21	6 34	6 36	6 37	6 38	6 40	6 41	6 43	6 44	6 46	6 48	9
24	6 39	6 41	6 42	6 44	6 45	6 47	6 49	6 50	6 52	6 54	6
27	6 44	6 46	6 47	6 49	6 51	6 53	6 55	6 57	6 59	7 1	3
♏♉	6 49	6 50	6 52	6 54	6 56	6 58	7 0	7 3	7 5	7 8	♍♓
3	6 53	6 55	6 57	6 59	7 1	7 4	7 6	7 9	7 11	7 14	27
6	6 57	7 0	7 2	7 4	7 7	7 9	7 12	7 15	7 17	7 21	24
9	7 2	7 5	7 7	7 9	7 12	7 15	7 17	7 20	7 24	7 27	21
12	7 7	7 9	7 12	7 15	7 17	7 20	7 23	7 26	7 30	7 33	18
15	7 11	7 13	7 17	7 19	7 22	7 25	7 28	7 32	7 35	7 39	15
18	7 15	7 18	7 21	7 24	7 27	7 30	7 34	7 37	7 41	7 45	12
21	7 19	7 22	7 25	7 28	7 31	7 35	7 39	7 42	7 47	7 51	9
24	7 23	7 26	7 29	7 32	7 36	7 39	7 43	7 48	7 52	7 56	6
27	7 26	7 29	7 33	7 36	7 40	7 44	7 48	7 52	7 57	8 2	3
♐♊	7 30	7 33	7 36	7 40	7 44	7 48	7 52	7 57	8 2	8 7	♌♒
3	7 33	7 36	7 40	7 44	7 48	7 52	7 56	8 1	8 6	8 12	27
6	7 36	7 39	7 43	7 47	7 51	7 56	8 0	8 5	8 10	8 16	24
9	7 38	7 42	7 46	7 50	7 54	7 59	8 4	8 9	8 14	8 20	21
12	7 40	7 44	7 48	7 53	7 57	8 2	8 7	8 12	8 17	8 23	18
15	7 42	7 46	7 50	7 55	7 59	8 4	8 9	8 15	8 20	8 26	15
18	7 44	7 48	7 52	7 57	8 1	8 6	8 11	8 17	8 23	8 29	12
21	7 45	7 49	7 54	7 58	8 3	8 8	8 13	8 19	8 25	8 31	9
24	7 46	7 50	7 55	7 59	8 4	8 9	8 14	8 20	8 26	8 32	6
27	7 47	7 51	7 56	8 0	8 4	8 10	8 15	8 21	8 27	8 33	3
30	7 47	7 51	7 56	8 0	8 5	8 10	8 15	8 22	8 27	8 34	♋♑

DE HOROLOGIO HORIZONTALI.

HOrologiũ horizõtale in quis habitatione hoc modo conficietur. Diſtenſis pedibus circini ad latus quadrantis horologii horizontalis ĩ planicie quadam circulum deſcribe. cuius diametro deſignata alterum ſemicirculorum ſpaciis horariis deſignandis accommoda. Eius itaq; ſemicirculi arcum diuide p medium: & a puncto medię inciſionis ad cẽtrum circuli duc lineã rectam: quę erit horę duodecimę. diameter autem circuli dudum lineata duplici horę ſextę uidelicet antemeridianę et poſt meridianę inſeruiet. Quę res ut definitius exponi poſſit: arcũ ſemicirculi oppone pectori tuo ita ut linea horę duodecimę aduerſus te porrigatur. Sic ergo diametro circuli in duas ſemidiametros reſoluta: dextra quidem ſemidiameter horam ſextam antemeridianam reprę ſentabit. ſiniſtra autem ſextam poſtmeridianam. Reliquas autem horaꝝ lineas hoc pacto inſcribes. Pone filum quadrantis ad ſcalam latitudinum & moue ĩdicem id eſt nodulum filo adhęrentem ad eleuationem poli in ſcala ſignatam. Deinde tranſlato indice ad lineam horę primę habebis in arcu quadrantis extremo inter filum extenſum & latus ſiniſtrũ quadrantis diſtantiam unius horę a meridie. quam diſtãtiã circino acceptã traduc adſemicirculũ horologii futuri figẽdo ſcilicet alteꝝ pedẽ circini in extremo pũcto linę horę duodecimę: alteri⁹ autẽ circũducti utrĩq; ueſtigiũ nota ĩ arcu ſemicirculi. duo q; puncta ſic facta cum cẽtro horologii cõtinua per duas rectas: quaꝝ dextra quidẽ undecimã horã ſignificabit: ſiniſtra autẽ primã poſt meridiẽ. Rurſ⁹ pone ĩdicẽ ad lineã horę ſecũdę: & habebis diſtãtiã duaꝝ horaꝝ a meridie int̃ filũ extẽſũ lat⁹ q; q̃drãtis. Hãc diſtãtiã trãſfer ſicut ãtea ad circũferẽtiã horologii. factis q; duobus pũctis: ac ipſis cum centro horologii copulatis dextra quidẽ linea erit horę decimę: ſiniſtra autẽ horę ſecundę.

Non aliter efficies reliquas horologii lineas poſito indice ſuper ceteras horarum lineas in quadrante. Ad hunc modum ſemi/circulus horologii duodecim horarum ſpaciis diſtinguitur. Quum autem dies eſtiui pluribus q̃ duodenis conſtent horis: reliquas horarum diſtantias hac uia deprehendes. Quanta eſt intercapedo quinte et ſexte horarum in circumferentia horo/logii: tantum officio circini adiunge utriq; hore ſexte: factis q; per pedem circini uagum duobus punctis: ac eis cum centro per lineas rectas copulatis: dextra quidẽ horam quĩtam ante/meridianam: ſiniſtra uero ſeptimã poſtmeridianam repreſen/tabit. Item ſumpta ſimiliter intercapedine duarum horarum quarte ſexte q;: ac ea utrinq; ad horam ſextam adiũcta: ſi ut pri us duas rectas duxeris: dextra quidem horam quartam ante/meridianam: ſiniſtra octauam poſtmeridianam cõmonſtrabit. Ceterum deſcriptis iam lineis horariis pone filum quadrantis ad numeꝝ eleuationis poli in habitatione tua: qui per tabulam regionum deprehenditur. mox enĩ apparebit angulus quidam filo ipſo et latere quadrantis graduato contentus. cui equalem fac ex tabula lignea aut ex lamĩa ferrea. cum q; angulum ad li neam hore duodecime ſic applica ut cuſpis eius cum centro ho/rologii conueniat. ſupficies autem ãguli rectiſſime ĩnitat̃ pla/nicie horologii neutrorſum uidelicet declinans. Poteris etiam ſi libeat ex centro horologii educere filum ferreũ ſecũdũ quan/titatem anguli memorati. erit q; uſus eius idem cum uſu an/guli: utriuſq; umbra horas ĩdicante. Hacten⁹ de fabrica. nũc de poſitione horologii tractandum. que haud cõmode ſine linea meridiana compatur. Eſt autem uulgaris linee meridiane ĩuẽ/tio ad hũc fere modũ. ĩ plano ad equidiſtantiã horizontis po/ſito deſcribe circulum quantumlibet. in cuius centro fige ſtilũ teretem ſic ut cacumen eius quaquerſum equaliter diſtet a cir/cumferentia circuli. Ea autem longitndine ſit ſtilus ut umbra eius breuiſſima que fit in meridie intra circulum terminetur

Obſerua itaq; duas ſtili umbras ęquales antemeridianam & poſt meridianam: quarum uidelicet utraq; ad circumferentiam cir/culi deſinat. factis q; duobus punctis ad terminos umbra℞ arc⁹ interceptus per ęqua diuidatur: punctus q; medię inciſionis cū centro circuli copuletur: quę quantuncūq; etiam utrinq; extenſa erit linea meridiana quā quęrebas. Cui iam ſuperimpone lineā horę duodecimę horologii ita ut ſemicirculus horarius ad ſeptē/triones ſpectet. Sole itaq; radiante umbra anguli ſup̄ memorati aut fili ferrei horas indicabit. Poteris autem ex una linea meri/diana q̄ facilliē innumeras alias elicere. Nam ī ipſo puncto horę duodecimę ubicunq; perpendiculum ex manu demiſeris: ſi in umbra fili duo puncta ubilibet ſumpta per rectam copulaueris: ea noua erit linea meridiana. Punctum autem horę duodecimę miniſter tuus ad horologiū adſtās tibi q̄uis abſenti pronūciabit.

DE NOTICIA HORARVM AEQVINOCTIALIVM.

PEr quadratū horariū huic libello inſertū horas die rum in quauis habitatione facile diſcernes ſi prius officia partium īſtrumenti pſpexeris. Eſt itaq; ſcala latitudinum cancellatis ſtrata lineis. quarum quę inuicem ęquidiſtant eleuationes poli definiūt: nu/meris ſuis ad dextram adnotatis. quę uero ad anguſtiam deſcē/dunt quaſi concurſum petentes ſigna zodiaci denos q; eo℞ gra/dus diſtinguūt: litteris ſignorum initialibus opportune ſubno/tatis. Diſcretionis autem gratia quęlibet ęquidiſtantium uocetur zodiacus habitationis. quoniā unaqueq; earum in ſigna gradus q; ſecta eſt per lineas inclinatas deorſum uenientes. Sub hac ſcala ē numer⁹ hora℞ duplex: ātemeridianus qdē ſupior poſtmeridi/an⁹ autē inferior: iuxta ſuā quiſq; horariā lineā. Extremę autē li/neę uidelicet horę duodecimę adiacet ſcala breuib⁹ qbuſdam di/ſticta ſpaciolis: quo℞ ſingula denos grad⁹ reprēſentāt· grad⁹ ī/q̄ ſignorū quę iuxta etiam litteris ſuis primariis adſcribuntur.

Talem autem ſignorum graduum q; contextum haud ĩiuria zo
diacum meridiei quiſpiam appellauerit. Prędictis lineis ſupĩ/
cumbit brachiolum quoddam mobile. ex cuius fine quę uocet᷑
manus demiſſum ē perpendiculum: cuius filo adhęret nodu/
lus quidam horarum index. Porro in ſup̄ma linea inſtrumenti
aut e directo eius ad ſiniſtram figendum ē aliquid quod umbrã
iaciat ſoli oppoſitum. quale poterit eſſe granum cereum uel no
dulus aut aliquid huiuſcemodi. In quacunq; igitur habitati/
one fueris diligenter animaduerte zodiacum tuum. nam in eo
ſemper manus predicta ultro citroq; decurret. Eam ergo ma/
num pone ad gradum ſolis in zodiaco habitationis tuę. filo q;
perpendiculi libere demiſſi ad gradum ſolis ĩ zodiaco meridiei
aptato trãſfer nodulum filo adhęrẽtẽ ad eundem ſolis gradum
Quibus ſic diſpoſitis ſiniſtrum ĩſtrumenti latus oppone ſoli ra
dianti ita ut umbra cerei grani ad ſupremam ĩſtrumenti lineã
porrigatur. mox enim ſitus noduli inter lineas horarias quę/
ſitam indicabit horam.

DE HORIS TEMPORALIBVS.

HActenus omnẽ horarũ computum retulimus ad meridianũ: hoc ē uel a meridie uel a media nocte ĩ itiũ ſupputationis fecimus. Iã ſi libet ad horizõtẽ referre (quoniã pleriſq; mos ē ab occaſu ſolis horas computare: non nulli etiam ab oriente ſole horis diurnis initium facere conſueuerunt). ad occaſum hoc modo reduces horas a meridie cęptas. Subtrahe tempꝰ ſemidiurnum ex numero horarum a meridie incipientium: ſupadditis uigĩ tiquatuor horis ſi alias ſubtractio fieri nequeat. ſic enĩ relinque tur numerꝰ horarum a prĩcipio noctis computãdarũ. Ad ortũ autẽ rediges horas a medio noctis exorſas ſi ex eis tẽpꝰ ſemino/ cturnũ detraxeriſ cũ ſupplemẽto etiã uigĩtiquatuor horaꝝ ſi ali oqui detractio fieri nõ poſſit. Et hactenꝰ quidem oĩa de horis ęquinoctialibus quas uulgo ęquales uocant accipienda ſunt.

Eas autem facile conuertes in horas temporales quę & inęquales hodie nūcupantur ſi uſum inſtrunenti ad hanc rem expoſiti ad diſcas. Pone igitur filum inſtrumenti ſuper numerum tempo/ris ſemidiurni in limbo deprębenſum: & promoue nodulum ad arcum horę duodecime. Deinde tranſfer filum in eodem limbo ad horas ęquinoctiales propoſitas: ſed a meridiano hac uel illac id eſt ad orientem uerſus uel occidentem prout res admonet cō/putatas. mox enim inter arcus horarios horam temporalem nodulus indicabit. Verum cum duplex illic numerorum ſeries appareat: ſuperior quidem ab 1 ad 6 antemeridianis horis de/betur: inferior autem a 7 ad 12 poſtmeridianis. Erunt autem horę temporales antemeridianę ſi ęquinoctiales antemeridianę fuerint. et ſi has poſtmeridianas ſuppoſueris: illę quoq; poſtmeridianę. erūt Nō alit de horis nocturnis te expedies ſi filo ad tē/pus ſeminocturnum poſito nodulum ut antea ad arcum horę duodecimę perduxeris: horas q; ęquinoctiales propoſitas a me/dio noctis hac uel illac computaueris. Hę ſunt horę quibus pri/ſci utebantur qui dies quoſcunq; ac etiam noctes duodenis horis conſtituebant. Sed et eas horas gubernamento luminarium ac planetarum diſtribuebāt incipiētes a prima hora diei Saturni: quam Saturno ipſi ſupremam obtinenti ſedem dicauere. ſecun/dam Ioui: tertiam Marti & ſic deinceps ordine ſeruato tam horarum q̄ planetarum: nocturnas etiam horas diurnis ſubiungentes: ita ut percurſis uigintiquatuor horis: planetis q; quotiens oportet repetitis uigeſimaquinta hora: id ē prima poſterę diei quartum ex ordine planetam adſciſcat. Sic prima hora ſe/quentis diei. id eſt dominicę ad ſolem attinet. et quę deinde ſuccedunt ut prius planetis ſuis accommodantur: Sed ne in re peruulgata diem teramus: ſi libet ſcire cui planetę debeatur hora quęlibet propoſita ſcias ī primis cuius planetę ſit dies pręſens. Talem autem planetę habent ſucceſſionem per dies ſeptenos.

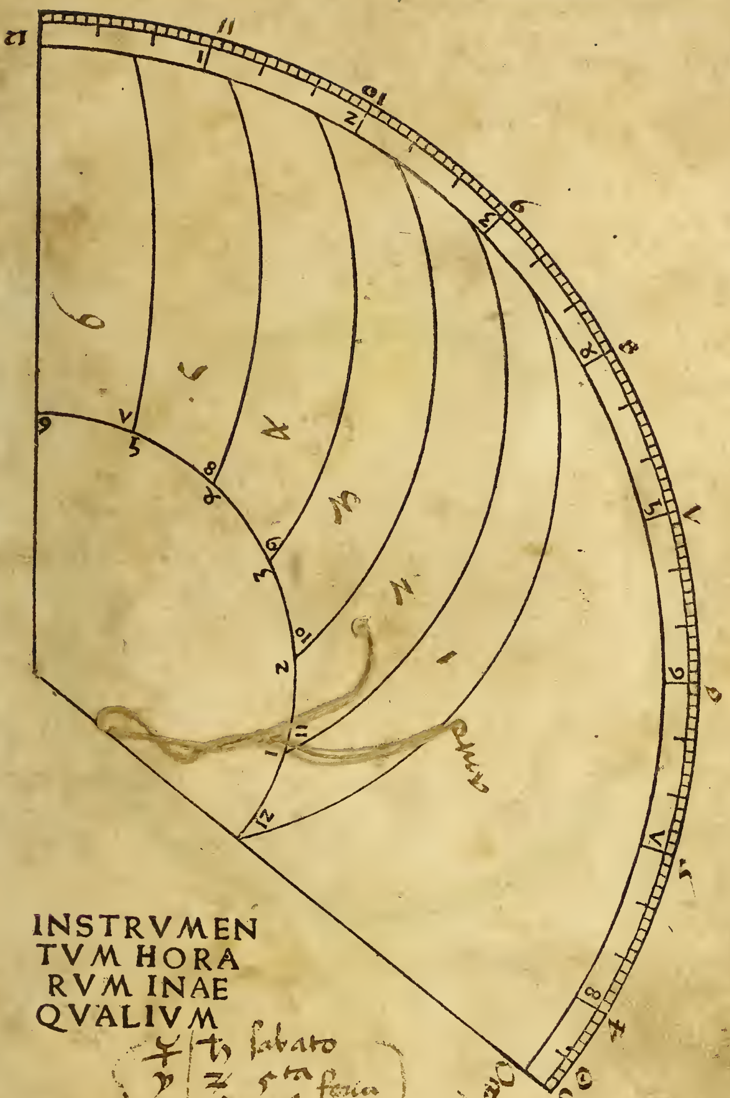
Saturnus . Sol . Luna . Mars . Mercurius . Iupiter . Venus. diẽ ſabbati Saturno aſſumẽte : cęteris q; diebus ad cęteros pla/ netas ex ordine relatis . Quo cognito ſtatue primam horã diei ĩ nota ĩteriori primi articuli indicis : ſecundã ĩ nota ſecundi arti culi : terciã in nota tertii : quartã in cacumĩe indicis : quintã in nota exteriori tertii articuli : ſextam in ſecundo : ſeptimam ĩ p̄ mo articulo extrinſecus . reliquas autem horas ſi quę ſint ſimi/ liter ad articulos ſequentium digitorum adapta. digitum q; qui horam ꝓpoſitam ſuſcipit aniaduerte . nam ſi in primo articulo talis digiti intrinſecus planetã diei ſiſtes & ſequentibus articulis ſequentes planetas addicabis donec ad ſedem horę propoſitę ue nies : illic planetam horę dominum deprehendes. Hęc quan/ ticũq; ſint momẽti adnotaſſe non fuerit alienum quandoqui / dẽ horarum tractatu ad hanc fere ſcriptionẽ adducti ſumus. q̃ / uis hoc quoq; ſimul ĩnoteſcat cur ſeptenis diebus a ſeptenario pla netarum numero appellationem mutuãtibus non ſeruet̃ pla / netarum ordo qualis in cęlo eſt : ſed a Saturno uerbigrã ad So/ lem : a quo ad Lunam & ita deinceps binaria ſemp̱ intercalati/ one ſaltus fiat. Id enim uigenęquaternę horę quib⁊ ſinguli dies noctes q; conſtant facta per eas planetarũ diſtributione exigũt. quippe hoc ſucceſſu uigeſimęquintę horę : id eſt exordio poſterę diei quartus a priori planeta duobus iam pręteritis allegatur.

Hic kalendarii noſtri clauderemus uſum niſi quorũdam de celebritate paſcali dubitatio ſuccurreret . qua de re nõ nichil ex pręſenti opuſculo colligi poteſt . Nam quum diuino pręcepto iuſſum ſit paſca celebrari quartadecima die mẽſis primi (prim⁊ autẽ mẽſis dicitur cuius initium aut medium ĩ ipſo ęquinoctio uerno eſt : uel initium uicinius eidem ęquinoctio) perſpicuum eſt hui⁊ rei obſeruationem e duobus pendere principiis : ęqui / noctio uidelicet uerno & nouilunio primo : quorum neutri ſta bilis perpetuo ſedes cõceſſa eſt in kalendario romanenſi quo ec / cleſia etiã chriſtiana utitur. Quippe ratio ſupplemẽti biſſextilis

nō recte quadrat q̄n q̄tuor āni eccleſię pauxillo quodā ſupent q̄tu
or annos ſolares. Quo fieri oportet ut ſi hoc anno uerbigratia
ęquinoctiū uernū fuerit ad unguē in meridie undecię diei Mar/
tii: q̄tuor annis uſualib⁊ exactis ęquinoctiū ſimile iam nō erit ī
meridie undecimę diei: ſed tanto priuſquātus ē exceſſ⁊ quatuor
annoꝝ uſualiū ſuper quatuor ānos ſolares. Verū huiuſcemodi ā
ticipatio paucis quidem annis admodū parua exiſtens multorū
ſucceſſu annoꝝ paulatim ſenſibilis redditᷣ adeo ut a tēpore Dio/
nyſii abbatiſcui⁊ paſcali cōputo adhuc utimur: ad nrām uſq; ęta
tē memorata ęq̄noctii uerni anticipatio dieſferme decē cōplexa
ſit. Pari ratione nouilunia quoq; firmos ī kalēdario locos habe/
re neq̄ūt. q̄niā ſeptuageniſſenis uſualib⁊ annis lunationes ſingu
lę ad ſenas ꝓpe horas anticipāt. Quas ob res ut q̄ breuiſſime di/
catᷣ: quum his annis ęquinoctiū uernum fiat undecima Martii
quod tp̄e Dionyſii fiebat uigeſimap̄ma eiuſdē: ſi quod pleniluni/
um ī hoc decē dieꝝ intᷣuallo euenerit: id ꝑfecto paſcale erit ſecū/
dū inſtitutionē p̄mariā q̄uis computo Dionyſii diſcrepāte. Qui
ergo ſciūt ęq̄noctiū uernū hoc nrō tēpore ad undecimā Martii
fieri(ſed nemo fere ignorat quum iāpridē diui Gregorii dies ui/
delicet duodecima Martii eidē cōceſſa ſit ęq̄noctio). qui deniq; ī
cęlo aut alias pleniluniū agnoſcūt. quod iā ꝑuulgatū ē. qui rur/
ſus diuini tenorē p̄cepti de celebritate paſcali didicerunt: quod
pene ī ꝑpatulo ē: popularib⁊ iā dudū lingua uernacula litteras
legētib⁊ ſacras: ii certe omnes mirari poſſūt cur īdictū intᷣuallū
decē dierū plenilunio īcidēte nō eoipſo aut ſaltē ꝓxima domnica
ſequenti paſcale fiat ſacꝝ: ſed ꝑ mēſem totū et eo quādoq; āplius
eccleſia iubente differatᷣ. Hinc quędam oriri ſolent quęſtiunculę
de luna paſcali. q̄lis mota fuit Beſſarioni cardinali dū legatū in
uenetis ageret. Quales etiā mihi a multis & q̄buſdā hebręis ſępe
numero obiectatę ſūt. Taliſdeniq; ābiguitaſ uidetᷣ quōdā ſacer/
dotes uexaſſe premenſes ut paſcalem diem agerēt menſe fere to/
to prius q̄ eccleſia uniuerſalis celebraret: durante idcirco in ho/
diernum uſq; diem uerbo in eos ludifico.

	anni Chriſti	iuxta uſũ eccleſię	iuxta decreta patꝫ	drĩa
Maxima autem ac nimis pudẽ	1477	6 Aprilis	30 Martii	7
da eſt contumelia quam nobis	1481	22 Aprilis	18 Martii	35
hebraica duricies / ſeruũ iſtud	1484	18 Aprilis	14 Martii	35
pecus / ĩferre nõ erubeſcit: nũ /	1488	6 Aprilis	30 Martii	7
quam in nos cauillandi finem	1489	19 Aprilis	22 Martii	28
faciens: ut qui a ſe non mini /	1491	3 Aprilis	27 Martii	7
mam ſacrę litteraturę partem	1492	22 Aprilis	18 Martii	35
mutuati ſimus ne primum qui	1494	30 Martii	23 Martii	7
dem diuinę legis monimentũ	1495	19 Aprilis	12 Aprilis	7
ſeruare ſtudeamus. ſcilicet uel	1497	26 Martii	19 Martii	7
ignorantiam nobis uel incon /	1498	15 Aprilis	8 Aprilis	7
ſtantiam impingens. Quam /	1500	19 Aprilis	22 Martii	28
obrem operępretium eſt quoſ /	1501	11 Aprilis	4 Aprilis	7
dam futuros proferre annos	1503	16 Aprilis	19 Martii	28
quibꝰ uera paſcalis ratio diſcre	1504	7 Aprilis	31 Martii	7
pat a priſca illa ſupputatione	1508	23 Aprilis	19 Martii	35
dionyſiaca: quam adhuc eccle /	1511	20 Aprilis	16 Martii	35
ſia uniuerſalis pro auctoritate	1512	11 Aprilis	4 Aprilis	7
ſua tolerat. Hoc autem pręfa /	1514	16 Aprilis	9 Aprilis	7
bor non animo reprehendendi	1515	8 Aprilis	1 Aprilis	7
me id facturum: quando non	1518	4 Aprilis	28 Martii	7
penes arbitrium meum ſita eſt	1519	24 Aprilis	20 Martii	35
huiuſcemodi negocii pręcipua	1521	31 Martii	24 Martii	7
tractatio: ſed quo cautiores fiãt	1522	20 Aprilis	16 Martii	35
noſtri homines ſiquãdo impia	1524	27 Martii	20 Martii	7
quauis obiectatione uexentur.	1525	16 Aprilis	9 Aprilis	7
Haud enim facile eſt tela reper	1527	21 Aprilis	24 Martii	28
cutere improuiſa. Iam uero	1528	12 Aprilis	5 Aprilis	7
fas ſit huiuſcemodi diſcrepãtiã	1530	17 Aprilis	20 Martii	28
tabulari numero cõmõſtrare.	1531	9 Aprilis	2 Aprilis	7

DVCTV IOANNIS DE MONTEREGIO.



INSTRVMENTVM HORARVM INAEQVALIVM

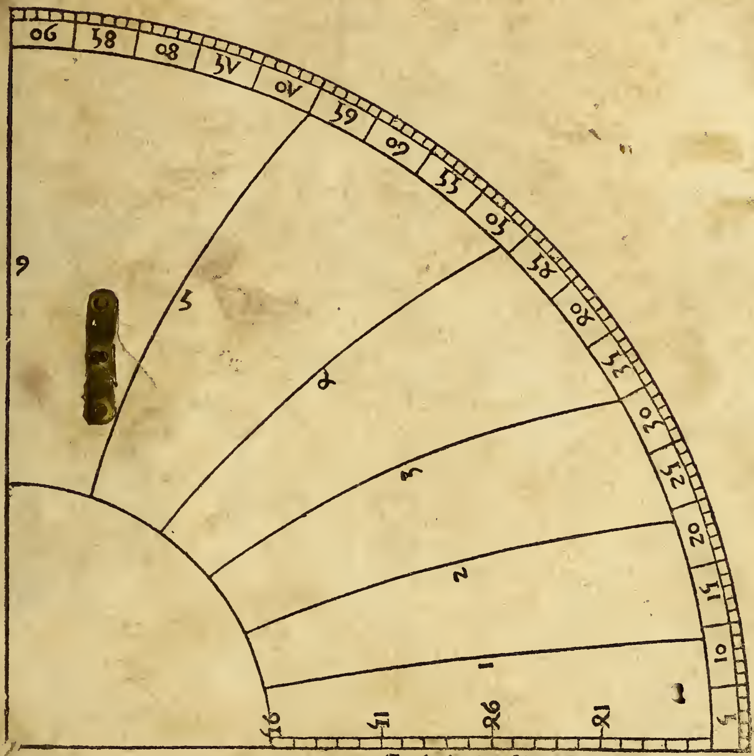
INSTRVMENTVM VERI MOTVS LVNAE.

. MINVE .

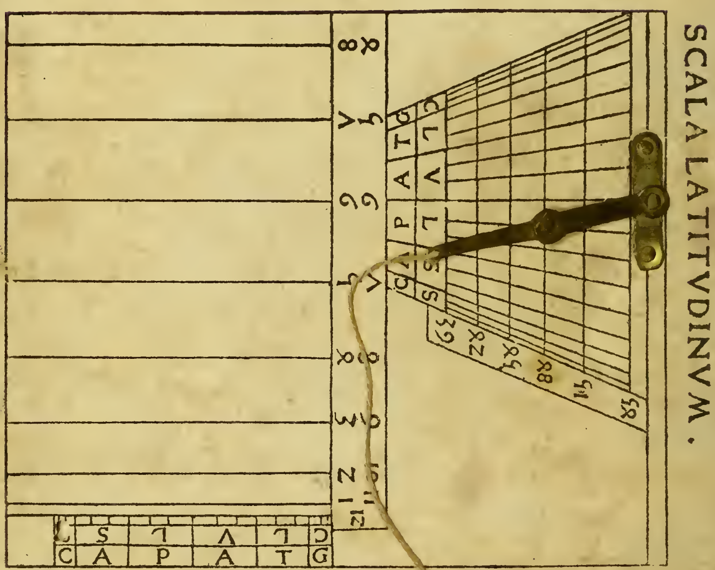


. ADDE .

QVADRANS HOROLOGII HORIZONTALIS.



QVADRATVM HORARIVM GENERALE.



Signa meridiei.

15226

J474
R336c